

EINLEITUNG

Dyn-o-trol ist ein Kontrollblut zur täglichen Überprüfung der Präzision und Genauigkeit des Abbott Cell-Dyn Ruby, Sapphire, 4000, 3700, 3500, 3000, 3200, 1800, 1700, 1600, 1400, Danam Exell 22 und Bayer Advia 70 Systeme.

ZUSAMMENSETZUNG

Der fortschrittlichen Hämatologie-Analysatoren Cell-Dyn Sapphire, 4000, 3700, 3500, 3000, 3200, 1800, 1700, 1600, 1400, Danam Exell 22 und Bayer Advia 70 Systeme liefern umfassende Informationen über Zellkonzentrationen, -volumina und Färbbeeigenschaften. Ein Kontrollblut für die Sapphire, 4000, 3700, 3500, 3000, 3200, 1800, 1700, 1600, 1400, Danam Exell 22 und Bayer Advia 70 Systeme müssen geeignete Zellarten beinhalten, um eine Qualitätskontrolle für alle Parameter zu ermöglichen.

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 **Dyn-o-trol** Werte innerhalb des Zielbereiches.

BESTANDTEILE

Dyn-o-trol beinhaltet humane Erythrozyten, Säugetierleukozyten und Säugetierthrombozyten in einem plasmaähnlichen konservierenden Medium.

HINWEISE AUF FEHLERHAFTES KONTROLLBLUT

Bei Verwendung von fehlerhaftem oder verfallenem Kontrollblut können die Zielwerte nicht erreicht werden. 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, verfallendes **Dyn-o-trol** ist nicht verwendbar.
3. Analysieren Sie ein ungeöffnetes Fläschchen **Dyn-o-trol**. Liegen die Werte noch immer außerhalb des Zielbereiches, wenden Sie sich an Ihren zuständigen Kundenservice.

ARBEITSWEISEN

1. AUTOMATISCHE METHODEN: Verfahren Sie entsprechend der Bedienungsanleitung Ihres Meßgerätes zur Analyse des Kontrollmaterials.
2. MANUELLE METHODEN: **Dyn-o-trol** kann für die Ermittlung von Referenzmethodenwerten verwendet werden. Beachten Sie entsprechende Arbeitsvorschriften.

ANWENDUNG

1. Nehmen Sie ein Fläschchen **Dyn-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. 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.
4. **Dyn-o-trol** muß aufrecht bei 2 – 8° C vor und nach Öffnung gelagert werden. **Dyn-o-trol** ist bei der angegebenen Lagertemperatur bis zum angegebenen Datum verwendbar. Nach dem Öffnen der Flasche ist dieses 8 Tage stabil.

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. **Dyn-o-trol** -Abfälle sind nach den geltenden örtlichen Bestimmungen zu entsorgen.
4. **Dyn-o-trol** ist gebrauchsfertig, es sollte weder verdünnt noch sollten weitere Substanzen hinzugefügt werden.
5. **Kontrollblut nicht zur Kalibration verwenden.**

ANGEGEBENE WERTE

Die auf dem Datenblatt abgegebenen Zielwerte von **Dyn-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 Zielwerte sind ausschließlich für die Gerätekontrolle und nicht zur Kalibration zu verwenden. Nach Erhalt einer neuen Kontrollcharge sollten für jeden Parameter individuelle Zielwerte und Zielbereiche festgelegt werden. Die dabei bestimmten Mittelwerte müssen innerhalb der auf dem Datenblatt aufgeführten Zielbereiche liegen. Diese repräsentieren mögliche Abweichungen zwischen Laboratorien, die unterschiedliche Arbeitsweisen und unterschiedliche Gerätekalibratoren aufweisen. Zur Bestimmung der eigenen Zielwerte und Zielbereiche für ein Gerät, welches nicht aufgeführt ist, sollten mindestens zehn vergleichbare Werte eines jeden Levels an einem richtig kalibrierten Gerät bestimmt werden.

GRENZEN

Eine mikroskopische Differenzierung der Leukozyten kann nicht mit **Dyn-o-trol** vorgenommen werden. Die Leukozytenkomponente ist säugetierischen Ursprungs und simuliert Leukozyten in der Größe, jedoch nicht in der Morphologie.

QUALITÄTSKONTROLLPROGRAMM

BGT BioGenTechnologies GmbH bietet *QCP* ein externes Qualitätssicherungsprogramm für alle Dauerauftragskunden kostenlos an. Sollten Sie hierüber nähere Informationen wünschen bzw. teilnehmen wollen, rufen Sie bitte die **BGT BioGenTechnologies GmbH** unter 02551/4090 an.

REFERENZEN

1. Davidson, I., Henry, J. Clinical Diagnostics, W. B. Saunders Co. Philadelphia, 15th ed. 125-130, 1974.

GESCHÄFTSBEDINGUNGEN

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

BESTELLINFORMATIONEN

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

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

www.wertebblatt.de

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| CONTROL |
|----------------|

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|------------|
| LOT |
|------------|

K111

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|----------|
| 1 |
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 ASSAY VALUES AND EXPECTED RANGES
 ZIELWERTE UND BEREICHE RiLiBÄK

 QCP Data Months : **November, December**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012
Geräte : ABBOTT

| Gerät | Parameter | CONTROL L | | CONTROL N | | CONTROL H | |
|---------------------------------|-------------|---|----------------------|----------------------|---------------------|------------------|------------------|
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| ABBOTT CELL-DYN 4000 | WBC/Leuk | 10 ³ /uL & 10 ⁹ /L | 3.40 ± 0.22 | 8.10 ± 0.53 | 21.5 ± 1.40 | | |
| | NEUT# | 10 ³ /uL & 10 ⁹ /L | 1.62 ± 0.57 | 5.18 ± 1.32 | 15.9 ± 3.80 | | |
| | NEUT% | % | 47.5 ± 10.00 | 64.0 ± 9.00 | 74.0 ± 9.00 | | |
| | LYMPH# | 10 ³ /uL & 10 ⁹ /L | 1.39 ± 0.51 | 2.07 ± 1.00 | 3.44 ± 2.25 | | |
| | LYMPH% | % | 41.0 ± 9.0 | 25.5 ± 9.00 | 16.0 ± 8.00 | | |
| | MONO# | 10 ³ /uL & 10 ⁹ /L | 0.17 ± 0.17 | 0.36 ± 0.36 | 0.86 ± 0.86 | | |
| | MONO% | % | 5.00 ± 5.00 | 4.50 ± 4.50 | 4.00 ± 4.00 | | |
| | EOS# | 10 ³ /uL & 10 ⁹ /L | 0.17 ± 0.17 | 0.36 ± 0.36 | 0.97 ± 0.97 | | |
| | EOS% | % | 5.00 ± 5.00 | 4.50 ± 4.50 | 4.50 ± 4.50 | | |
| | BASO# | 10 ³ /uL & 10 ⁹ /L | 0.05 ± 0.05 | 0.12 ± 0.12 | 0.32 ± 0.32 | | |
| | BASO% | % | 1.50 ± 1.50 | 1.50 ± 1.50 | 1.50 ± 1.50 | | |
| | RBC/Ery | 10 ⁶ /uL & 10 ¹² /L | 2.16 ± 0.09 | 4.65 ± 0.19 | 5.23 ± 0.21 | | |
| | RBC-o/Ery-o | 10 ⁶ /uL & 10 ¹² /L | 2.20 ± 0.09 | 4.65 ± 0.19 | 5.18 ± 0.21 | | |
| | Hgb/Hb | g/dL | 5.60 ± 0.22 | 13.5 ± 0.54 | 16.1 ± 0.64 | | |
| | | g/L | 56.0 ± 2.24 | 135 ± 5.4 | 161 ± 6.4 | | |
| | | mmol/L | 3.47 ± 0.14 | 8.37 ± 0.33 | 10.0 ± 0.40 | | |
| | Hct | % | 15.7 ± 0.79 | 39.8 ± 2.0 | 46.8 ± 2.3 | | |
| | | L/L | 0.16 ± 0.01 | 0.40 ± 0.020 | 0.47 ± 0.024 | | |
| | MCV/VGM | fL | 72.5 ± 4.00 | 85.5 ± 4.00 | 89.5 ± 4.00 | | |
| | MCH/TCMH | pg | 25.9 ± 2.80 | 29.0 ± 2.00 | 30.8 ± 2.00 | | |
| | | famol | 1.61 ± 0.18 | 1.80 ± 0.16 | 1.91 ± 0.16 | | |
| | MCHC/CCMH | g/dL | 35.8 ± 3.60 | 34.0 ± 2.80 | 34.4 ± 2.80 | | |
| | | g/L | 358 ± 36.0 | 340 ± 28.0 | 344 ± 28.0 | | |
| | | mmol/L | 22.2 ± 2.30 | 21.1 ± 1.80 | 21.3 ± 1.80 | | |
| | RDW/IDR | % | 14.8 ± 3.00 | 13.8 ± 3.00 | 13.3 ± 3.00 | | |
| | NRBC# | 10 ³ /uL & 10 ⁹ /L | 0.001 ± 0.001 | 0.001 ± 0.001 | 2.26 ± 1.50 | | |
| | NRBC% | % | 0.001 ± 0.001 | 0.001 ± 0.001 | 10.4 ± 6.90 | | |
| | Plt | 10 ³ /uL & 10 ⁹ /L | 73.0 ± 9.9 | 220 ± 18.7 | 430 ± 32.3 | | |
| | Plt-i | 10 ³ /uL & 10 ⁹ /L | 92.0 ± 12.4 | 253 ± 21.5 | 495 ± 37.1 | | |
| | MPV/VPM | fL | 9.60 ± 3.00 | 8.40 ± 3.00 | 8.20 ± 3.00 | | |
| Pct/Tht* | % | 0.07 ± 0.03 | 0.18 ± 0.04 | 0.35 ± 0.08 | | | |
| | mL/L | 0.70 ± 0.30 | 1.80 ± 0.40 | 3.50 ± 0.80 | | | |
| PDW/IDP* | % | 16.5 ± 3.00 | 16.8 ± 2.50 | 17.3 ± 2.50 | | | |

Dyn-o-trol may yield specimen status alert messages on Cell-Dyn 4000 Geräte.

Dyn-o-trol kann Warnhinweise am Cell-Dyn 4000 auslösen

*For Research Use Only. / *Nur zu Forschungszwecken.

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CONTROL
LOT
K111
2

ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiliBÄK

 QCP Data Months : **November, December**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012
Geräte : ABBOTT

| Gerät | Parameter | CONTROL L | | CONTROL N | | CONTROL H | |
|----------------------|---------------|---|----------------------|------------------|----------------------|------------------|---------------------|
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| ABBOTT | WBC/Leuk | 10 ³ /uL & 10 ⁹ /L | 3.40 ± 0.22 | | 8.10 ± 0.53 | | 21.5 ± 1.40 |
| | NEUT# | 10 ³ /uL & 10 ⁹ /L | 1.62 ± 0.57 | | 5.18 ± 1.32 | | 15.9 ± 3.80 |
| CELL-DYN SAPPHIRE | NEUT% | % | 47.5 ± 10.00 | | 64.0 ± 9.00 | | 74.0 ± 9.00 |
| | LYMPH# | 10 ³ /uL & 10 ⁹ /L | 1.39 ± 0.51 | | 2.07 ± 1.00 | | 3.44 ± 2.25 |
| | LYMPH% | % | 41.0 ± 9.0 | | 25.5 ± 9.00 | | 16.0 ± 8.00 |
| | MONO# | 10 ³ /uL & 10 ⁹ /L | 0.17 ± 0.17 | | 0.36 ± 0.36 | | 0.86 ± 0.86 |
| | MONO% | % | 5.00 ± 5.00 | | 4.50 ± 4.50 | | 4.00 ± 4.00 |
| | EOS# | 10 ³ /uL & 10 ⁹ /L | 0.17 ± 0.17 | | 0.36 ± 0.36 | | 0.97 ± 0.97 |
| | EOS% | % | 5.00 ± 5.00 | | 4.50 ± 4.50 | | 4.50 ± 4.50 |
| | BASO# | 10 ³ /uL & 10 ⁹ /L | 0.05 ± 0.05 | | 0.12 ± 0.12 | | 0.32 ± 0.32 |
| | BASO% | % | 1.50 ± 1.50 | | 1.50 ± 1.50 | | 1.50 ± 1.50 |
| | RBC/Ery | 10 ⁶ /uL & 10 ¹² /L | 2.16 ± 0.09 | | 4.65 ± 0.19 | | 5.23 ± 0.21 |
| | RBC-o/Ery-o | 10 ⁶ /uL & 10 ¹² /L | 2.20 ± 0.09 | | 4.65 ± 0.19 | | 5.18 ± 0.21 |
| | Hgb/Hb | g/dL | 5.60 ± 0.22 | | 13.5 ± 0.54 | | 16.1 ± 0.64 |
| | | g/L | 56.0 ± 2,2 | | 135 ± 5,4 | | 161 ± 6,4 |
| | | mmol/L | 3.47 ± 0.14 | | 8.37 ± 0.33 | | 10.0 ± 0.40 |
| | Hct | % | 15.7 ± 0.8 | | 39.8 ± 2.0 | | 46.8 ± 2.3 |
| | | L/L | 0.16 ± 0.008 | | 0.40 ± 0.020 | | 0.47 ± 0.024 |
| | MCV/VGM | fL | 72.5 ± 4.00 | | 85.5 ± 4.00 | | 89.5 ± 4.00 |
| | MCH/TCMH | pg | 25.9 ± 2.80 | | 29.0 ± 2.00 | | 30.8 ± 2.00 |
| | | fmol | 1.61 ± 0.18 | | 1.80 ± 0.16 | | 1.91 ± 0.16 |
| | MCHC/CCMH | g/dL | 35.8 ± 3.60 | | 34.0 ± 2.80 | | 34.4 ± 2.80 |
| | | g/L | 358 ± 36.0 | | 340 ± 28.0 | | 344 ± 28.0 |
| | | mmol/L | 22.2 ± 2.30 | | 21.1 ± 1.80 | | 21.3 ± 1.80 |
| | RDW/IDR | % | 14.8 ± 3.00 | | 13.8 ± 3.00 | | 13.3 ± 3.00 |
| | NRBC# * | 10 ³ /uL & 10 ⁹ /L | 0.001 ± 0.001 | | 0.001 ± 0.001 | | 2.26 ± 1.50 |
| | NRBC/100WBC * | % | 0.001 ± 0.001 | | 0.001 ± 0.001 | | 10.4 ± 6.90 |
| | Plt | 10 ³ /uL & 10 ⁹ /L | 73.0 ± 9.9 | | 225 ± 19.1 | | 445 ± 33.4 |
| | Plt-i | 10 ³ /uL & 10 ⁹ /L | 92.0 ± 12.4 | | 253 ± 21.5 | | 495 ± 37.1 |
| | MPV/VPM | fL | 9.60 ± 3.00 | | 8.40 ± 3.00 | | 8.20 ± 3.00 |
| | Pct/Tht** | % | 0.07 ± 0.03 | | 0.18 ± 0.04 | | 0.35 ± 0.08 |
| | | mL/L | 0.70 ± 0.30 | | 1.80 ± 0.40 | | 3.50 ± 0.80 |
| | PDW/IDP** | % | 16.5 ± 3.00 | | 16.8 ± 2.50 | | 17.3 ± 2.50 |

Dyn-o-trol may yield specimen status alert messages on Cell-Dyn Sapphire.

Dyn-o-trol kann Warnhinweise am Cell-Dyn Sapphire auslösen

* Clinical signifiacnce has not been established for these parameters. Therefore, they are provided for laboratory use only.

** The assay value of .001 and mean range of ±.001 for NRBC and NRBC/100WBC is entered for the Low level and Normal level controls since the instrument will not accept a value of zero. The NRBC concentration for the Low and Normal level is below the detectable level of the instrument and such serves as the NRBC negative control.

*For Research Use Only. / *Nur zu Forschungszwecken.

PIC/POC errors may occur. Verify that the control is performing within assay range.

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CONTROL
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K111
3

ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiliBÄK

 QCP Data Months : **November, Dezember**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012
Geräte : ABBOTT

| Gerät | Parameter | CONTROL L | | CONTROL N | | CONTROL H | |
|---|---|------------------|------------------|------------------|------------------|------------------|------------------|
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| ABBOTT CELL-DYN 3700 CELL-DYN 3500 | WBC/Leuk (WOC) 10 ³ /uL & 10 ⁹ /L | 3.2 | ± 0.2 | 7.6 | ± 0.5 | 20.4 | ± 1.3 |
| | WBC/Leuk (WIC) 10 ³ /uL & 10 ⁹ /L | 3.5 | ± 0.2 | 8.2 | ± 0.5 | 24.2 | ± 1.6 |
| | NEUT# 10 ³ /uL & 10 ⁹ /L | 1.5 | ± 0.6 | 4.8 | ± 1.3 | 15.5 | ± 3.4 |
| | NEUT% % | 46.8 | ± 10.0 | 63.8 | ± 8.0 | 75.8 | ± 8.0 |
| | LYMPH# 10 ³ /uL & 10 ⁹ /L | 1.2 | ± 0.6 | 1.9 | ± 0.9 | 3.1 | ± 1.7 |
| | LYMPH% % | 39.0 | ± 9.0 | 25.5 | ± 7.0 | 15.0 | ± 6.0 |
| | MONO# 10 ³ /uL & 10 ⁹ /L | 0.2 | ± 0.2 | 0.3 | ± 0.3 | 0.7 | ± 0.7 |
| | MONO% % | 6.0 | ± 6.0 | 4.0 | ± 4.0 | 3.5 | ± 3.5 |
| | EOS# 10 ³ /uL & 10 ⁹ /L | 0.2 | ± 0.2 | 0.4 | ± 0.4 | 0.9 | ± 0.9 |
| | EOS% % | 7.0 | ± 7.0 | 5.5 | ± 5.5 | 4.5 | ± 4.5 |
| | BASO# 10 ³ /uL & 10 ⁹ /L | 0.1 | ± 0.1 | 0.1 | ± 0.1 | 0.2 | ± 0.2 |
| | BASO% % | 1.2 | ± 1.2 | 1.2 | ± 1.2 | 1.2 | ± 1.2 |
| | RBC/Ery 10 ⁶ /uL & 10 ¹² /L | 2.15 | ± 0.09 | 4.64 | ± 0.19 | 5.14 | ± 0.21 |
| | Hgb/Hb g/dL | 5.5 | ± 0.22 | 13.5 | ± 0.54 | 16.3 | ± 0.65 |
| | g/L | 55 | ± 2.2 | 135 | ± 5.4 | 163 | ± 6.5 |
| | mmol/L | 3.4 | ± 0.14 | 8.4 | ± 0.34 | 10.1 | ± 0.40 |
| | Hct % | 16.9 | ± 0.8 | 42.2 | ± 2.1 | 49.2 | ± 2.5 |
| | L/L | 0.169 | ± 0.008 | 0.422 | ± 0.021 | 0.492 | ± 0.025 |
| | MCV/VGM fL | 78.5 | ± 4.0 | 91.0 | ± 4.0 | 95.8 | ± 4.0 |
| | MCH/TCMH pg | 25.6 | ± 2.8 | 29.1 | ± 2.0 | 31.7 | ± 2.0 |
| famol | 1.59 | ± 0.18 | 1.80 | ± 0.16 | 1.97 | ± 0.16 | |
| MCHC/CCMH g/dL | 32.6 | ± 3.6 | 32.0 | ± 2.8 | 33.1 | ± 2.8 | |
| g/L | 326 | ± 36 | 320 | ± 28 | 331 | ± 28 | |
| mmol/L | 20.2 | ± 2.3 | 19.8 | ± 1.8 | 20.5 | ± 1.8 | |
| RDW/IDR % | 16.4 | ± 3.0 | 15.7 | ± 3.0 | 15.2 | ± 3.0 | |
| Plt 10 ³ /uL & 10 ⁹ /L | 84 | ± 11 | 250 | ± 21 | 495 | ± 37 | |
| fL | 8.4 | ± 3.0 | 8.0 | ± 3.0 | 8.0 | ± 3.0 | |
| ABBOTT CELL-DYN 3000 | WBC/Leuk 10 ³ /uL & 10 ⁹ /L | 3.2 | ± 0.2 | 7.6 | ± 0.5 | 20.4 | ± 1.3 |
| | WBC/Leuk (WIC) 10 ³ /uL & 10 ⁹ /L | 3.5 | ± 0.2 | 8.2 | ± 0.5 | 24.2 | ± 1.6 |
| | NEUT# 10 ³ /uL & 10 ⁹ /L | 1.5 | ± 0.6 | 4.8 | ± 1.3 | 15.5 | ± 3.4 |
| | NEUT% % | 46.8 | ± 10.0 | 63.8 | ± 8.0 | 75.8 | ± 8.0 |
| | LYMPH# 10 ³ /uL & 10 ⁹ /L | 1.2 | ± 0.6 | 1.9 | ± 0.9 | 3.1 | ± 1.7 |
| | LYMPH% % | 39.0 | ± 9.0 | 25.5 | ± 7.0 | 15.0 | ± 6.0 |
| | MONO# 10 ³ /uL & 10 ⁹ /L | 0.2 | ± 0.2 | 0.3 | ± 0.3 | 0.7 | ± 0.7 |
| | MONO% % | 6.0 | ± 6.0 | 4.0 | ± 4.0 | 3.5 | ± 3.5 |
| | EOS# 10 ³ /uL & 10 ⁹ /L | 0.2 | ± 0.2 | 0.4 | ± 0.4 | 0.9 | ± 0.9 |
| | EOS% % | 7.0 | ± 7.0 | 5.5 | ± 5.5 | 4.5 | ± 4.5 |
| | BASO# 10 ³ /uL & 10 ⁹ /L | 0.1 | ± 0.1 | 0.1 | ± 0.1 | 0.2 | ± 0.2 |
| | BASO% % | 1.2 | ± 1.2 | 1.2 | ± 1.2 | 1.2 | ± 1.2 |
| | RBC/Ery 10 ⁶ /uL & 10 ¹² /L | 2.15 | ± 0.09 | 4.64 | ± 0.19 | 5.14 | ± 0.21 |
| | Hgb/Hb g/dL | 5.5 | ± 0.22 | 13.5 | ± 0.54 | 16.3 | ± 0.65 |
| | g/L | 55 | ± 2.2 | 135 | ± 5.4 | 163 | ± 6.5 |
| | mmol/L | 3.4 | ± 0.14 | 8.4 | ± 0.34 | 10.1 | ± 0.40 |
| | Hct % | 16.9 | ± 0.8 | 42.2 | ± 2.1 | 49.2 | ± 2.5 |
| | L/L | 0.169 | ± 0.008 | 0.422 | ± 0.021 | 0.492 | ± 0.025 |
| | MCV/VGM fL | 78.5 | ± 4.0 | 91.0 | ± 4.0 | 95.8 | ± 4.0 |
| | MCH/TCMH pg | 25.6 | ± 2.8 | 29.1 | ± 2.0 | 31.7 | ± 2.0 |
| famol | 1.59 | ± 0.18 | 1.80 | ± 0.16 | 1.97 | ± 0.16 | |
| MCHC/CCMH g/dL | 32.6 | ± 3.6 | 32.0 | ± 2.8 | 33.1 | ± 2.8 | |
| g/L | 326 | ± 36 | 320 | ± 28 | 331 | ± 28 | |
| mmol/L | 20.2 | ± 2.3 | 19.8 | ± 1.8 | 20.5 | ± 1.8 | |
| RDW/IDR % | 16.4 | ± 3.0 | 15.7 | ± 3.0 | 15.2 | ± 3.0 | |
| Plt 10 ³ /uL & 10 ⁹ /L | 84 | ± 11 | 250 | ± 21 | 495 | ± 37 | |
| fL | 8.4 | ± 3.0 | 8.0 | ± 3.0 | 8.0 | ± 3.0 | |

Dyn-o-trol may yield specimen status alert messages on Cell-Dyn 3000, Cell-Dyn 3500 and Cell-Dyn 3700 Geräte.

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Occasionally Leukocyte cell populations are incorrectly identified. If this occurs, rerun the sample.

Dyn-o-trol kann Warnungen am Cell-Dyn 3000, Cell-Dyn 3500 und Cell-Dyn 3700 auslösen.

Ursächlich werden Leukozytenpopulationen nicht korrekt identifiziert. Sollte dieses vorkommen, Probe wiederholen.



CONTROL
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4

ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiLiBÄK

 QCP Data Months : **November, December**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012

Geräte : ABBOTT

| Gerät | Parameter | CONTROL L | | CONTROL N | | CONTROL H | |
|--|--|------------------|------------------|------------------|------------------|------------------|------------------|
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| ABBOTT | WBC/Leuk (WOC) $10^3/\mu\text{L} \& 10^9/\text{L}$ | 3.3 | ± 0.2 | 7.8 | ± 0.5 | 21.2 | ± 1.4 |
| CELL-DYN 3200* | WBC/Leuk (NOC) $10^3/\mu\text{L} \& 10^9/\text{L}$ | 3.3 | ± 0.2 | 7.9 | ± 0.5 | 23.2 | ± 1.5 |
| | NEUT# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 1.6 | ± 0.6 | 5.0 | ± 1.5 | 16.1 | ± 4.0 |
| | NEUT% % | 47.5 | ± 10.0 | 64.2 | ± 9.0 | 76.0 | ± 9.0 |
| Version ≥ 1.8 | LYMPH# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 1.3 | ± 0.6 | 2.0 | ± 1.0 | 3.3 | ± 2.3 |
| | LYMPH% % | 39.5 | ± 10.0 | 25.5 | ± 8.0 | 15.5 | ± 8.0 |
| Assay values obtained in QC Mode. Zielwerte im QC-Modus | MONO# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.2 | ± 0.2 | 0.3 | ± 0.3 | 0.6 | ± 0.6 |
| | MONO% % | 6.0 | ± 6.0 | 4.0 | ± 4.0 | 3.0 | ± 3.0 |
| | EOS# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.2 | ± 0.2 | 0.4 | ± 0.4 | 1.0 | ± 1.0 |
| | EOS% % | 5.0 | ± 5.0 | 5.0 | ± 5.0 | 4.5 | ± 4.5 |
| | BASO# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.1 | ± 0.1 | 0.1 | ± 0.1 | 0.2 | ± 0.2 |
| | BASO% % | 2.0 | ± 2.0 | 1.3 | ± 1.3 | 1.0 | ± 1.0 |
| | RBC/Ery $10^6/\mu\text{L} \& 10^{12}/\text{L}$ | 2.14 | ± 0.09 | 4.64 | ± 0.19 | 5.15 | ± 0.21 |
| | Hgb/Hb g/dL | 5.4 | ± 0.22 | 13.3 | ± 0.53 | 16.3 | ± 0.65 |
| | g/L | 54 | ± 2.2 | 133 | ± 5.3 | 163 | ± 6.5 |
| | mmol/L | 3.3 | ± 0.13 | 8.2 | ± 0.33 | 10.1 | ± 0.40 |
| | Hct % | 14.4 | ± 0.7 | 37.1 | ± 1.9 | 42.7 | ± 2.1 |
| | L/L | 0.144 | ± 0.007 | 0.371 | ± 0.019 | 0.427 | ± 0.021 |
| | MCV/VGM fL | 67.5 | ± 5.0 | 80.0 | ± 5.0 | 83.0 | ± 5.0 |
| | MCH/TCMH pg | 25.2 | ± 2.8 | 28.7 | ± 2.4 | 31.7 | ± 2.4 |
| | fmol | 1.56 | ± 0.18 | 1.78 | ± 0.16 | 1.96 | ± 0.16 |
| | MCHC/CCMH g/dL | 37.4 | ± 3.6 | 35.8 | ± 3.0 | 38.1 | ± 3.0 |
| | g/L | 374 | ± 36 | 358 | ± 30 | 381 | ± 30 |
| | mmol/L | 23.2 | ± 2.3 | 22.2 | ± 1.8 | 23.6 | ± 1.8 |
| | RDW/IDR % | 13.0 | ± 3.0 | 12.1 | ± 3.0 | 10.8 | ± 3.0 |
| | Plt $10^3/\mu\text{L} \& 10^9/\text{L}$ | 80 | ± 11 | 265 | ± 23 | 520 | ± 39 |
| | MPV/VPM fL | 6.0 | ± 3.0 | 6.0 | ± 3.0 | 6.0 | ± 3.0 |

V2010

Flags generated on control material may be disregarded.

Warnhinweise des Kontrollmaterials können missachtet werden.

*WOC values may exhibit non-lysis. Control Low level WOC and differential using patient mode.

*WOC-Werte mögen unlysiert erscheinen. Kontrollieren Sie den Level WOC-Niedrig und Diff. Im Patientenmodus

*Neut/Eos flips may occur after Reticulocyte analysis. Prime analyser with whole blood to avoid.

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CONTROL
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ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiLiBÄK

 QCP Data Months : **November, December**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012

| Geräte : ABBOTT | | CONTROL L | | CONTROL N | | CONTROL H | |
|--------------------------------------|--|------------------|------------------|------------------|------------------|------------------|------------------|
| Gerät | Parameter | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| ABBOTT | WBC/GB (WOC) $10^3/\mu\text{L} \& 10^9/\text{L}$ | 3.3 | ± 0.2 | 7.8 | ± 0.5 | 21.2 | ± 1.4 |
| | WBC/GB (NOC) $10^3/\mu\text{L} \& 10^9/\text{L}$ | 3.3 | ± 0.2 | 7.9 | ± 0.5 | 23.2 | ± 1.5 |
| CELL-DYN Ruby | NEUT# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 1.6 | ± 0.6 | 5.0 | ± 1.5 | 16.1 | ± 4.0 |
| | NEUT% % | 47.5 | ± 10.0 | 64.2 | ± 9.0 | 76.0 | ± 9.0 |
| | LYMPH# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 1.3 | ± 0.6 | 2.0 | ± 1.0 | 3.3 | ± 2.3 |
| | LYMPH% % | 39.5 | ± 10.0 | 25.5 | ± 8.0 | 15.5 | ± 8.0 |
| Assay values obtained in QC Mode. | MONO# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.2 | ± 0.2 | 0.3 | ± 0.3 | 0.6 | ± 0.6 |
| | MONO% % | 6.0 | ± 6.0 | 4.0 | ± 4.0 | 3.0 | ± 3.0 |
| Werte ermittelt im Kontrollmodus | EOS# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.2 | ± 0.2 | 0.4 | ± 0.4 | 1.0 | ± 1.0 |
| | EOS% % | 5.0 | ± 5.0 | 5.0 | ± 5.0 | 4.5 | ± 4.5 |
| | BASO# $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.1 | ± 0.1 | 0.1 | ± 0.1 | 0.2 | ± 0.2 |
| | BASO% % | 2.0 | ± 2.0 | 1.3 | ± 1.3 | 1.0 | ± 1.0 |
| | RBC/GR $10^6/\mu\text{L} \& 10^{12}/\text{L}$ | 2.14 | ± 0.09 | 4.64 | ± 0.19 | 5.15 | ± 0.21 |
| | Hgb g/dL | 5.4 | ± 0.22 | 13.3 | ± 0.53 | 16.3 | ± 0.65 |
| | g/L | 54 | ± 2.2 | 133 | ± 5.3 | 163 | ± 6.5 |
| | mmol/L | 3.3 | ± 0.13 | 8.2 | ± 0.33 | 10.1 | ± 0.40 |
| | Hct % | 14.4 | ± 0.7 | 37.1 | ± 1.9 | 42.7 | ± 2.1 |
| | L/L | 0.144 | ± 0.007 | 0.371 | ± 0.019 | 0.427 | ± 0.021 |
| | MCV/VGM fL | 67.5 | ± 5.0 | 80.0 | ± 5.0 | 83.0 | ± 5.0 |
| | MCH/TCMH pg | 25.2 | ± 2.8 | 28.7 | ± 2.4 | 31.7 | ± 2.4 |
| | fmol | 1.56 | ± 0.18 | 1.78 | ± 0.16 | 1.96 | ± 0.16 |
| | MCHC/CCMH g/dL | 37.4 | ± 3.6 | 35.8 | ± 3.0 | 38.1 | ± 3.0 |
| | g/L | 374 | ± 36 | 358 | ± 30 | 381 | ± 30 |
| | mmol/L | 23.2 | ± 2.3 | 22.2 | ± 1.8 | 23.6 | ± 1.8 |
| | RDW/IDR % | 13.0 | ± 3.0 | 12.1 | ± 3.0 | 10.8 | ± 3.0 |
| | Plt $10^3/\mu\text{L} \& 10^9/\text{L}$ | 80 | ± 11 | 265 | ± 23 | 520 | ± 39 |
| | MPV/VPM fL | 6.0 | ± 3.0 | 6.0 | ± 3.0 | 6.0 | ± 3.0 |

V2010

Flags generated on control material may be disregarded.

Warnmeldungen der Kontrolle können missachtet werden.

*Neut/Eos flips may occur after Reticulocyte analysis. Prime analyser with whole blood to avoid.

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CONTROL
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ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiliBÄK

 QCP Data Months : **November, December**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012

| Geräte : ABBOTT | | CONTROL L | | CONTROL N | | CONTROL H | |
|---------------------------------------|----------------------|-------------------------|---------------|------------------|---------------|------------------|---------|
| Gerät | Parameter | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean | Limit | Mean | Limit | Mean | Limit |
| | | Zielwert | Bereich | Zielwert | Bereich | Zielwert | Bereich |
| ABBOTT CELL-DYN 1800 | WBC/Leuk | $10^3/uL$ & $10^9/L$ | 3.3 ± 0.2 | 7.9 ± 0.5 | 23.4 ± 1.5 | | |
| | RBC/Ery | $10^6/uL$ & $10^{12}/L$ | 2.24 ± 0.09 | 4.64 ± 0.19 | 5.15 ± 0.21 | | |
| | Hgb/Hb | g/dL | 5.6 ± 0.22 | 13.6 ± 0.54 | 16.4 ± 0.66 | | |
| | | g/L | 56 ± 2.2 | 136 ± 5.4 | 164 ± 6.6 | | |
| | Hct | mmol/L | 3.5 ± 0.14 | 8.4 ± 0.34 | 10.2 ± 0.41 | | |
| | | % | 17.2 ± 0.9 | 41.8 ± 2.1 | 49.4 ± 2.5 | | |
| | MCV/VGM | L/L | 0.172 ± 0.009 | 0.418 ± 0.021 | 0.494 ± 0.025 | | |
| | | fL | 77 ± 5 | 90 ± 5 | 96 ± 5 | | |
| | MCH/TCMH | pg | 25.0 ± 2.8 | 29.3 ± 2.0 | 31.8 ± 2.0 | | |
| | | fmol | 1.55 ± 0.18 | 1.82 ± 0.16 | 1.97 ± 0.16 | | |
| | MCHC/CCMH | g/dL | 32.5 ± 3.6 | 32.6 ± 2.8 | 33.2 ± 2.8 | | |
| | | g/L | 325 ± 36 | 326 ± 28 | 332 ± 28 | | |
| | RDW/IDR | mmol/L | 20.1 ± 2.3 | 20.2 ± 1.8 | 20.6 ± 1.8 | | |
| | | % | 17.0 ± 4.0 | 15.5 ± 4.0 | 15.0 ± 4.0 | | |
| | Plt | $10^3/uL$ & $10^9/L$ | 80 ± 11 | 245 ± 21 | 510 ± 38 | | |
| | MPV/VPM | fL | 8.6 ± 3.0 | 9.1 ± 3.0 | 9.2 ± 3.0 | | |
| | LYMPH% | % | 21.5 ± 6.0 | 14.0 ± 5.0 | 16.0 ± 5.0 | | |
| | MID% | % | 24.5 ± 6.0 | 19.0 ± 5.0 | 15.0 ± 5.0 | | |
| | GRAN% | % | 54.0 ± 8.0 | 67.0 ± 7.0 | 69.0 ± 7.0 | | |
| | LYMPH# | $10^3/uL$ & $10^9/L$ | 0.7 ± 0.4 | 1.1 ± 0.6 | 3.7 ± 1.7 | | |
| MID# | $10^3/uL$ & $10^9/L$ | 0.8 ± 0.4 | 1.5 ± 0.7 | 3.5 ± 1.7 | | | |
| GRAN# | $10^3/uL$ & $10^9/L$ | 1.8 ± 0.6 | 5.3 ± 1.3 | 16.1 ± 3.4 | | | |
| ABBOTT CELL-DYN 1700 | WBC/Leuk | $10^3/uL$ & $10^9/L$ | 3.6 ± 0.2 | 8.5 ± 0.6 | 23.0 ± 1.5 | | |
| | RBC/Ery | $10^6/uL$ & $10^{12}/L$ | 2.18 ± 0.09 | 4.64 ± 0.19 | 5.15 ± 0.21 | | |
| | Hgb/Hb | g/dL | 5.5 ± 0.22 | 13.4 ± 0.54 | 16.2 ± 0.65 | | |
| | | g/L | 55 ± 2.2 | 134 ± 5.4 | 162 ± 6.5 | | |
| | Hct | mmol/L | 3.4 ± 0.14 | 8.3 ± 0.33 | 10.0 ± 0.40 | | |
| | | % | 16.6 ± 0.8 | 41.3 ± 2.1 | 48.4 ± 2.4 | | |
| | MCV/VGM | L/L | 0.166 ± 0.008 | 0.413 ± 0.021 | 0.484 ± 0.024 | | |
| | | fL | 76 ± 5 | 89 ± 5 | 94 ± 5 | | |
| | MCH/TCMH | pg | 25.2 ± 2.8 | 28.9 ± 2.0 | 31.5 ± 2.0 | | |
| | | fmol | 1.56 ± 0.18 | 1.79 ± 0.16 | 1.95 ± 0.16 | | |
| | MCHC/CCMH | g/dL | 33.2 ± 3.6 | 32.4 ± 2.8 | 33.5 ± 2.8 | | |
| | | g/L | 332 ± 36 | 324 ± 28 | 335 ± 28 | | |
| | RDW/IDR | mmol/L | 20.6 ± 2.3 | 20.1 ± 1.8 | 20.7 ± 1.8 | | |
| | | % | 18.0 ± 4.0 | 17.1 ± 4.0 | 16.0 ± 4.0 | | |
| | Plt | $10^3/uL$ & $10^9/L$ | 75 ± 10 | 235 ± 20 | 480 ± 36 | | |
| | MPV/VPM | fL | 8.0 ± 3.0 | 8.4 ± 3.0 | 8.6 ± 3.0 | | |
| | LYMPH% | % | 26.5 ± 8.0 | 18.0 ± 5.0 | 19.0 ± 5.0 | | |
| | MID% | % | 21.5 ± 7.0 | 17.0 ± 5.0 | 14.0 ± 5.0 | | |
| | GRAN% | % | 52.0 ± 10.0 | 65.0 ± 7.0 | 67.0 ± 7.0 | | |
| | LYMPH# | $10^3/uL$ & $10^9/L$ | 1.0 ± 0.5 | 1.5 ± 0.7 | 4.4 ± 1.7 | | |
| MID# | $10^3/uL$ & $10^9/L$ | 0.8 ± 0.4 | 1.4 ± 0.7 | 3.2 ± 1.6 | | | |
| GRAN# | $10^3/uL$ & $10^9/L$ | 1.9 ± 0.7 | 5.5 ± 1.4 | 15.4 ± 3.3 | | | |

Flags generated on control material may be disregarded.

Warnmeldungen der Kontrolle können missachtet werden.

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*Neut/Eos flips may occur after Reticulocyte analysis. Prime analyser with whole blood to avoid.

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CONTROL
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ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiliBÄK

 QCP Data Months : **November, Dezember**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012

| Manual & Semi-Automated Methods / Manuelle und semiautomatische Methoden | | | | | | | |
|--|-------------------------------------|--|------------------|------------------|------------------|------------------|------------------|
| | Parameter | CONTROL L | | CONTROL N | | CONTROL H | |
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| Manual / Manuelle Semi-Auto | WBC/Leuk | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 3.5 ± 0.2 | 8.2 ± 0.5 | 24.0 ± 1.6 | | |
| | RBC/Ery | $10^6/\mu\text{L} \& 10^{12}/\text{L}$ | 2.06 ± 0.08 | 4.55 ± 0.18 | 5.11 ± 0.20 | | |
| | Hgb/Hb | g/dL | 5.7 ± 0.23 | 13.8 ± 0.55 | 16.6 ± 0.66 | | |
| | | g/L | 57 ± 2.3 | 138 ± 5.5 | 166 ± 6.6 | | |
| | | mmol/L | 3.5 ± 0.14 | 8.6 ± 0.34 | 10.3 ± 0.41 | | |
| | Hct | % | 14.0 ± 0.7 | 36.0 ± 1.8 | 43.5 ± 2.2 | | |
| | | L/L | 0.140 ± 0.007 | 0.360 ± 0.018 | 0.435 ± 0.022 | | |
| | MCV/VGM | fL | 68 ± 5 | 79 ± 5 | 85 ± 5 | | |
| Plt | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 70 ± 9 | 255 ± 22 | 490 ± 37 | | | |

Instruments : DANAM

| Instrument | Parameter / Paramètre | CONTROL L | | CONTROL N | | CONTROL H | |
|--|-------------------------------------|--|------------------|------------------|------------------|------------------|------------------|
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| DANAM EXCELL 22 EXCELL 2280 | WBC/GB | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 3.3 ± 0.2 | 7.8 ± 0.5 | 22.5 ± 1.5 | | |
| | NEUT# | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 1.7 ± 0.3 | 5.1 ± 0.6 | 17.3 ± 1.8 | | |
| | NEUT% | % | 51.0 ± 10.0 | 66.0 ± 8.0 | 77.0 ± 8.0 | | |
| | LYMPH# | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 1.2 ± 0.3 | 1.9 ± 0.5 | 3.2 ± 1.6 | | |
| | LYMPH% | % | 36.0 ± 10.0 | 24.0 ± 7.0 | 14.0 ± 7.0 | | |
| | MONO# | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.2 ± 0.2 | 0.4 ± 0.4 | 0.8 ± 0.8 | | |
| | MONO% | % | 6.5 ± 6.5 | 5.0 ± 5.0 | 3.5 ± 3.5 | | |
| | EOS# | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.2 ± 0.2 | 0.3 ± 0.3 | 1.0 ± 1.0 | | |
| | EOS% | % | 5.0 ± 5.0 | 4.0 ± 4.0 | 4.5 ± 4.5 | | |
| | BASO# | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 0.1 ± 0.1 | 0.1 ± 0.1 | 0.2 ± 0.2 | | |
| | BASO% | % | 1.5 ± 1.5 | 1.0 ± 1.0 | 1.0 ± 1.0 | | |
| | RBC/GR | $10^6/\mu\text{L} \& 10^{12}/\text{L}$ | 2.12 ± 0.1 | 4.60 ± 0.2 | 5.10 ± 0.2 | | |
| | Hgb | g/dL | 5.4 ± 0.22 | 13.5 ± 0.54 | 16.6 ± 0.66 | | |
| | | g/L | 54 ± 2.16 | 135 ± 5.40 | 166 ± 6.64 | | |
| | | mmol/L | 3.35 ± 0.1 | 8.38 ± 0.3 | 10.31 ± 0.4 | | |
| | Hct | % | 16.4 ± 0.82 | 41.4 ± 2.07 | 48.5 ± 2.43 | | |
| | BIOCODE HYCEL HYCEL 9000 | | L/L | 0.164 ± 0.008 | 0.414 ± 0.021 | 0.485 ± 0.024 | |
| MCV/VGM | | fL | 77.4 ± 5.0 | 90.0 ± 5.0 | 95.1 ± 5.0 | | |
| MCH/TCMH | | pg | 25.5 ± 2.5 | 29.3 ± 3.0 | 32.5 ± 3.5 | | |
| | | fmol | 1.6 ± 0.2 | 1.8 ± 0.2 | 2.0 ± 0.2 | | |
| MCHC/CCMH | | g/dL | 32.9 ± 3.0 | 32.6 ± 3.0 | 34.2 ± 3.0 | | |
| | | g/L | 329 ± 30 | 326 ± 30 | 342 ± 30 | | |
| | | mmol/L | 20.4 ± 1.9 | 20.3 ± 1.9 | 21.3 ± 1.9 | | |
| RDW/IDR | | % | 15.0 ± 4.0 | 14.0 ± 4.0 | 13.5 ± 4.0 | | |
| Plt | | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 75 ± 10 | 235 ± 20 | 470 ± 35 | | |
| MPV/VPM | | fL | 7.3 ± 3.0 | 7.4 ± 3.0 | 7.5 ± 3.0 | | |
| PCT | | % | 0.05 ± 0.03 | 0.17 ± 0.10 | 0.35 ± 0.20 | | |
| PDW | % | 16.0 ± 5.0 | 15.5 ± 5.0 | 15.5 ± 5.0 | | | |

Flags generated on control material may be disregarded.

Warnmeldungen der Kontrolle können missachtet werden.

V2010



CONTROL
LOT
K111
8

ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiLiBÄK

 QCP Data Months : **November, Dezember**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012

| Instruments : Bayer/Siemens | | CONTROL | | CONTROL | | CONTROL | | | |
|-----------------------------|--|---|---------------|---------------|---------------|----------|---------|----------|---------|
| | | L | N | H | LOT | K111L | LOT | K111N | LOT |
| Instrument | Parameter / Paramètre | Mean | Limit | Mean | Limit | Mean | Limit | Mean | Limit |
| | | Zielwert | Bereich | Zielwert | Bereich | Zielwert | Bereich | Zielwert | Bereich |
| ADVIA 70 | WBC/GB | 10 ³ /µL & 10 ⁹ /L | 3.3 ± 0.2 | 7.8 ± 0.5 | 22.5 ± 1.5 | | | | |
| | NEUT# | 10 ³ /µL & 10 ⁹ /L | 1.7 ± 0.3 | 5.1 ± 0.6 | 17.3 ± 1.8 | | | | |
| | NEUT% | % | 51.0 ± 10.0 | 66.0 ± 8.0 | 77.0 ± 8.0 | | | | |
| | LYMPH# | 10 ³ /µL & 10 ⁹ /L | 1.2 ± 0.3 | 1.9 ± 0.5 | 3.2 ± 1.6 | | | | |
| | LYMPH% | % | 36.0 ± 10.0 | 24.0 ± 7.0 | 14.0 ± 7.0 | | | | |
| | MONO# | 10 ³ /µL & 10 ⁹ /L | 0.2 ± 0.2 | 0.4 ± 0.4 | 0.8 ± 0.8 | | | | |
| | MONO% | % | 6.5 ± 6.5 | 5.0 ± 5.0 | 3.5 ± 3.5 | | | | |
| | EOS# | 10 ³ /µL & 10 ⁹ /L | 0.2 ± 0.2 | 0.3 ± 0.3 | 1.0 ± 1.0 | | | | |
| | EOS% | % | 5.0 ± 5.0 | 4.0 ± 4.0 | 4.5 ± 4.5 | | | | |
| | BASO# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | 0.1 ± 0.1 | 0.2 ± 0.2 | | | | |
| | BASO% | % | 1.5 ± 1.5 | 1.0 ± 1.0 | 1.0 ± 1.0 | | | | |
| | RBC/GR | 10 ⁶ /µL & 10 ¹² /L | 2.12 ± 0.1 | 4.60 ± 0.2 | 5.10 ± 0.2 | | | | |
| | Hgb | g/dL | 5.4 ± 0.22 | 13.5 ± 0.54 | 16.6 ± 0.66 | | | | |
| | | g/L | 54 ± 2.16 | 135 ± 5.40 | 166 ± 6.64 | | | | |
| | | mmol/L | 3.35 ± 0.1 | 8.38 ± 0.3 | 10.31 ± 0.4 | | | | |
| | Hct | % | 16.4 ± 0.82 | 41.4 ± 2.07 | 48.5 ± 2.43 | | | | |
| | | L/L | 0.164 ± 0.008 | 0.414 ± 0.021 | 0.485 ± 0.024 | | | | |
| | MCV/VGM | fL | 77.4 ± 5.0 | 90.0 ± 5.0 | 95.1 ± 5.0 | | | | |
| | MCH/TCMH | pg | 25.5 ± 2.5 | 29.3 ± 3.0 | 32.5 ± 3.5 | | | | |
| | | fmol | 1.6 ± 0.2 | 1.8 ± 0.2 | 2.0 ± 0.2 | | | | |
| | MCHC/CCMH | g/dL | 32.9 ± 3.0 | 32.6 ± 3.0 | 34.2 ± 3.0 | | | | |
| | | g/L | 329 ± 30 | 326 ± 30 | 342 ± 30 | | | | |
| | | mmol/L | 20.4 ± 1.9 | 20.3 ± 1.9 | 21.3 ± 1.9 | | | | |
| RDW/IDR | % | 15.0 ± 4.0 | 14.0 ± 4.0 | 13.5 ± 4.0 | | | | | |
| Plt | 10 ³ /µL & 10 ⁹ /L | 75 ± 10 | 235 ± 20 | 470 ± 35 | | | | | |
| MPV/VPM | fL | 7.3 ± 3.0 | 7.4 ± 3.0 | 7.5 ± 3.0 | | | | | |
| PCT | % | 0.05 ± 0.03 | 0.17 ± 0.10 | 0.35 ± 0.20 | | | | | |
| PDW | % | 16.0 ± 5.0 | 15.5 ± 5.0 | 15.5 ± 5.0 | | | | | |

Flags generated on control material may be disregarded.

Warnmeldungen der Kontrolle können missachtet werden.

V2010

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BGT BioGenTechnologies GmbH, Postfach 1367, 48543 Steinfurt



CONTROL
LOT
K111
9

 ASSAY VALUES AND EXPECTED RANGES
 ZIELWERTE UND BEREICHE RiLiBÄK

 QCP Data Months : **November, December**

 QCP Datenmonate : **November, Dezember**

2. Januar 2012



| Instruments : NIHON KOHDEN (1) | | CONTROL | | CONTROL | | CONTROL | |
|---|-----------------------|---|------------------|----------------|------------------|----------------|------------------|
| Instrument | Parameter / Paramètre | L | N | H | | | |
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Cibles | Limit Limites | Mean Cibles | Limit Limites | Mean Cibles | Limit Limites |
| NIHON KOHDEN CELLTAC | WBC/GB | 10 ³ /µL & 10 ⁹ /L | 3.3 ± 0.2 | 7.8 ± 0.5 | 23.2 ± 1.5 | | |
| | LYMPH% | % | 26.5 ± 13.0 | 17.0 ± 10.0 | 11.0 ± 8.0 | | |
| | MONO% | % | 4.5 ± 4.5 | 3.5 ± 3.5 | 3.0 ± 3.0 | | |
| | NEUT% | % | 61.5 ± 13.0 | 72.5 ± 15.0 | 78.5 ± 20.0 | | |
| | EOS% | % | 4.0 ± 4.0 | 3.5 ± 3.5 | 4.0 ± 4.0 | | |
| MEK-8222 CELLTAC-F | BASO% | % | 3.5 ± 3.5 | 3.5 ± 3.5 | 3.5 ± 3.5 | | |
| | LYMPH# | 10 ³ /µL & 10 ⁹ /L | 0.9 ± 0.4 | 1.3 ± 0.8 | 2.5 ± 1.9 | | |
| | MONO# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | 0.3 ± 0.3 | 0.7 ± 0.7 | | |
| | NEUT# | 10 ³ /µL & 10 ⁹ /L | 2.0 ± 0.4 | 5.7 ± 1.2 | 18.2 ± 4.6 | | |
| | EOS# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | 0.3 ± 0.3 | 0.9 ± 0.9 | | |
| With ISOTONAC-3 & HEMOLYNAC-5 Reagents | BASO# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | 0.3 ± 0.3 | 0.8 ± 0.8 | | |
| | RBC/GR | 10 ⁶ /µL & 10 ¹² /L | 2.15 ± 0.09 | 4.55 ± 0.18 | 5.05 ± 0.20 | | |
| | Hgb | g/dL | 5.5 ± 0.22 | 13.7 ± 0.55 | 16.3 ± 0.65 | | |
| | | g/L | 55 ± 2.20 | 137 ± 5.48 | 163 ± 6.52 | | |
| | | mmol/L | 3.4 ± 0.1 | 8.5 ± 0.3 | 10.1 ± 0.4 | | |
| | Hct | % | 16.3 ± 0.8 | 39.8 ± 2.0 | 47.0 ± 2.4 | | |
| | | L/L | 0.163 ± 0.008 | 0.398 ± 0.020 | 0.470 ± 0.024 | | |
| | MCV/VGM | fL | 75.8 ± 5.0 | 87.5 ± 5.0 | 93.1 ± 5.0 | | |
| | MCH/TCMH | pg | 25.6 ± 2.5 | 30.1 ± 3.0 | 32.3 ± 3.0 | | |
| | | fmol | 1.59 ± 0.16 | 1.87 ± 0.19 | 2.00 ± 0.19 | | |
| | MCHC/CCMH | g/dL | 33.7 ± 3.5 | 34.4 ± 3.5 | 34.7 ± 3.5 | | |
| | | g/L | 337 ± 35 | 344 ± 35 | 347 ± 35 | | |
| | | mmol/L | 21.0 ± 2.2 | 21.4 ± 2.2 | 21.5 ± 2.2 | | |
| | RDW/IDR | % | 14.5 ± 4.0 | 14.0 ± 4.0 | 13.5 ± 4.0 | | |
| | Plt | 10 ³ /µL & 10 ⁹ /L | 75 ± 10 | 235 ± 20 | 495 ± 37 | | |
| MPV/VPM | fL | 8.8 ± 3.0 | 7.9 ± 3.0 | 8.2 ± 3.0 | | | |
| PCT/TCT | % | 0.07 ± 0.03 | 0.19 ± 0.10 | 0.41 ± 0.20 | | | |
| PDW/IDP | % | 18.5 ± 5.0 | 17.5 ± 5.0 | 17.5 ± 5.0 | | | |

Flags generated on control material may be disregarded.

Warnmeldungen der Kontrolle können vernachlässigt werden.

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CONTROL
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10

 ASSAY VALUES AND EXPECTED RANGES
 ZIELWERTE UND BEREICHE RiibÄK

 QCP Data Months : **November, December**
 QCP Datenmonate : **November, Dezember**


2. Januar 2012

Instruments : BIOCODE HYCEL (1)

| Instrument | Parameter / Paramètre | CONTROL | | CONTROL | | CONTROL | |
|--------------------------|-----------------------|---|---------------|---------------|---------------|---------|---------|
| | | L | N | H | | | |
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean | Limit | Mean | Limit | Mean | Limit |
| | | Cibles | Limites | Cibles | Limites | Cibles | Limites |
| BIOCODE HYCEL | WBC/GB | 10 ³ /µL & 10 ⁹ /L | 3.2 ± 0.2 | 8.0 ± 0.5 | 24.5 ± 1.6 | | |
| | LYMPH% | % | 11.0 ± 11.0 | 8.0 ± 8.0 | 9.5 ± 9.5 | | |
| | MONO% | % | 4.0 ± 4.0 | 2.0 ± 2.0 | 3.5 ± 3.5 | | |
| | NEUT% | % | 79.0 ± 21.0 | 85.5 ± 14.5 | 83.0 ± 17.0 | | |
| | EOS% | % | 5.5 ± 5.5 | 4.0 ± 4.0 | 3.5 ± 3.5 | | |
| | BASO% | % | 0.5 ± 0.5 | 0.5 ± 0.5 | 0.5 ± 0.5 | | |
| | LYMPH# | 10 ³ /µL & 10 ⁹ /L | 0.4 ± 0.4 | 0.6 ± 0.6 | 2.3 ± 2.3 | | |
| | MONO# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | 0.2 ± 0.2 | 0.9 ± 0.9 | | |
| | NEUT# | 10 ³ /µL & 10 ⁹ /L | 2.5 ± 0.7 | 6.8 ± 1.2 | 20.3 ± 4.2 | | |
| | EOS# | 10 ³ /µL & 10 ⁹ /L | 0.2 ± 0.2 | 0.3 ± 0.3 | 0.9 ± 0.9 | | |
| DIANA 5 XENIA | BASO# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | 0.1 ± 0.1 | 0.1 ± 0.1 | | |
| | RBC/GR | 10 ⁶ /µL & 10 ¹² /L | 2.11 ± 0.08 | 4.61 ± 0.18 | 5.04 ± 0.20 | | |
| | Hgb | g/dL | 5.6 ± 0.22 | 13.4 ± 0.54 | 16.3 ± 0.65 | | |
| | | g/L | 56 ± 2.24 | 134 ± 5.36 | 163 ± 6.52 | | |
| | | mmol/L | 3.5 ± 0.1 | 8.3 ± 0.3 | 10.1 ± 0.4 | | |
| | Hct | % | 16.7 ± 0.8 | 43.4 ± 2.2 | 50.4 ± 2.5 | | |
| | | L/L | 0.167 ± 0.008 | 0.434 ± 0.022 | 0.504 ± 0.025 | | |
| | MCV/VGM | fL | 79.1 ± 5.5 | 94.1 ± 5.5 | 100.0 ± 5.5 | | |
| | MCH/TCMH | pg | 26.5 ± 2.5 | 29.1 ± 3.0 | 32.3 ± 3.5 | | |
| | | fmol | 1.65 ± 0.16 | 1.81 ± 0.19 | 2.01 ± 0.22 | | |
| | MCHC/CCMH | g/dL | 33.5 ± 3.0 | 30.9 ± 3.0 | 32.3 ± 3.0 | | |
| | | g/L | 335 ± 30 | 309 ± 30 | 323 ± 30 | | |
| | | mmol/L | 20.8 ± 1.9 | 19.2 ± 1.9 | 20.1 ± 1.9 | | |
| | RDW/IDR | % | 15.5 ± 5.0 | 14.5 ± 5.0 | 15.0 ± 5.0 | | |
| | Plt | 10 ³ /µL & 10 ⁹ /L | 79 ± 11 | 230 ± 20 | 430 ± 32 | | |
| MPV/VPM | fL | 8.7 ± 4.0 | 8.6 ± 4.0 | 8.5 ± 4.0 | | | |
| PCT/TCT | % | 0.07 ± 0.04 | 0.20 ± 0.12 | 0.37 ± 0.25 | | | |
| PDW/IDP | % | 11.5 ± 5.0 | 10.0 ± 5.0 | 10.0 ± 5.0 | | | |

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Warnmeldungen der Kontrolle können vernachlässigt werden.

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| CONTROL |
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K111

(11)

 ASSAY VALUES AND EXPECTED RANGES
 ZIELWERTE UND BEREICHE RiLiBÄK

 QCP Data Months : **November, December**
 QCP Datenmonate : **November, Dezember**


2. Januar 2012

| Instruments : Pentra | | CONTROL | | L | CONTROL | | N | CONTROL | | H |
|-----------------------------|--|---|------------------|-------------|----------------|------------------|-------------|----------------|------------------|---|
| Instrument | Parameter / Paramètre | LOT | K111L | | LOT | K111N | | LOT | K111H | |
| | | Mean Cibles | Limit Limites | | Mean Cibles | Limit Limites | | Mean Cibles | Limit Limites | |
| Pentra | WBC/GB | 10 ³ /µL & 10 ⁹ /L | 3.5 ± 0.2 | | 8.7 ± 0.6 | | | 25.5 ± 1.7 | | |
| | LYMPH% | % | 7.4 ± 7.4 | | 3.8 ± 3.8 | | | 2.4 ± 2.4 | | |
| DX 120 | MONO% | % | 0.0 ± 0.0 | | 0.0 ± 0.0 | | | 0.0 ± 0.0 | | |
| | NEUT% | % | 50.1 ± 10.9 | | 41.3 ± 7.5 | | | 36.5 ± 8.9 | | |
| | EOS% | % | 3.3 ± 3.3 | | 4.8 ± 4.8 | | | 5.6 ± 5.6 | | |
| | BASO% | % | 39.2 ± 39.2 | | 50.2 ± 50.2 | | | 55.4 ± 55.4 | | |
| | LYMPH# | 10 ³ /µL & 10 ⁹ /L | 0.3 ± 0.3 | | 0.3 ± 0.3 | | | 0.6 ± 0.6 | | |
| | MONO# | 10 ³ /µL & 10 ⁹ /L | 0.0 ± 0.0 | | 0.0 ± 0.0 | | | 0.0 ± 0.0 | | |
| | NEUT# | 10 ³ /µL & 10 ⁹ /L | 1.7 ± 0.4 | | 3.6 ± 0.6 | | | 9.3 ± 2.3 | | |
| | EOS# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | | 0.4 ± 0.4 | | | 1.4 ± 1.4 | | |
| | BASO# | 10 ³ /µL & 10 ⁹ /L | 1.4 ± 1.4 | | 4.3 ± 4.3 | | | 14.1 ± 14.1 | | |
| | RBC/GR | 10 ⁶ /µL & 10 ¹² /L | 2.14 ± 0.09 | | 4.65 ± 0.19 | | | 5.19 ± 0.21 | | |
| | Hgb | g/dL | 5.4 ± 0.22 | | 13.4 ± 0.54 | | | 16.1 ± 0.64 | | |
| | | g/L | 54 ± 2.15 | | 134 ± 5.36 | | | 161 ± 6.44 | | |
| | | mmol/L | 3.3 ± 0.1 | | 8.3 ± 0.3 | | | 10.0 ± 0.4 | | |
| | Hct | % | 15.8 ± 0.8 | | 38.9 ± 1.9 | | | 46.0 ± 2.3 | | |
| | | L/L | 0.158 ± 0.008 | | 0.389 ± 0.019 | | | 0.460 ± 0.023 | | |
| | MCV/VGM | fL | 74.0 ± 5.5 | | 84.0 ± 5.5 | | | 88.5 ± 5.5 | | |
| | MCH/TCMH | pg | 25.3 ± 2.5 | | 28.8 ± 3.0 | | | 31.1 ± 3.5 | | |
| | | fmol | 1.57 ± 0.16 | | 1.79 ± 0.19 | | | 1.93 ± 0.22 | | |
| | MCHC/CCMH | g/dL | 34.3 ± 3.0 | | 34.4 ± 3.0 | | | 35.1 ± 3.0 | | |
| | | g/L | 343 ± 30 | | 344 ± 30 | | | 351 ± 30 | | |
| | mmol/L | 21.3 ± 1.9 | | 21.4 ± 1.9 | | | 21.8 ± 1.9 | | | |
| RDW/IDR | % | 15.4 ± 5.0 | | 13.2 ± 5.0 | | | 13.0 ± 5.0 | | | |
| Plt | 10 ³ /µL & 10 ⁹ /L | 80 ± 11 | | 246 ± 21 | | | 481 ± 36 | | | |
| MPV/VPM | fL | 8.9 ± 4.0 | | 8.6 ± 4.0 | | | 8.5 ± 4.0 | | | |
| PCT/TCT | % | 0.07 ± 0.04 | | 0.21 ± 0.13 | | | 0.41 ± 0.26 | | | |
| PDW/IDP | % | 18.0 ± 5.0 | | 15.6 ± 5.0 | | | 15.5 ± 5.0 | | | |
| ALY | % | 0.1 ± 0.1 | | 0.1 ± 0.1 | | | 0.1 ± 0.1 | | | |
| LIC | % | 1.8 ± 1.8 | | 0.5 ± 0.5 | | | 0.6 ± 0.6 | | | |
| IML | % | 0.1 ± 0.1 | | 0.0 ± 0.0 | | | 0.1 ± 0.1 | | | |
| IMM | % | 0.1 ± 0.1 | | 0.0 ± 0.0 | | | 0.0 ± 0.0 | | | |
| IMG | % | 0.4 ± 0.4 | | 0.5 ± 0.5 | | | 0.5 ± 0.5 | | | |

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| CONTROL |
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K111

(12)

ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE RiIBÄK

QCP Data Months :

November, December

QCP Datenmonate :

November, Dezember

2. Januar 2012



| Geräte : Diatron | | | | | | | |
|------------------|-----------|---|------------------|------------------|------------------|------------------|------------------|
| Gerät | Parameter | CONTROL L | | CONTROL N | | CONTROL H | |
| | | LOT | K111L | LOT | K111N | LOT | K111H |
| | | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich | Mean Zielwert | Limit Bereich |
| Diatron | WBC/Leuko | 10 ³ /µL & 10 ⁹ /L | 3.5 ± 0.2 | | 8.2 ± 0.5 | | 24.2 ± 1.6 |
| | NEUT# | 10 ³ /µL & 10 ⁹ /L | 1.5 ± 0.6 | | 4.8 ± 1.3 | | 15.5 ± 3.4 |
| Abacus Junior 5 | NEUT% | % | 46.8 ± 10.0 | | 63.8 ± 8.0 | | 75.8 ± 8.0 |
| | LYMPH# | 10 ³ /µL & 10 ⁹ /L | 1.2 ± 0.6 | | 1.9 ± 0.9 | | 3.1 ± 1.7 |
| | LYMPH% | % | 39.0 ± 9.0 | | 25.5 ± 7.0 | | 15.0 ± 6.0 |
| | MONO# | 10 ³ /µL & 10 ⁹ /L | 0.2 ± 0.2 | | 0.3 ± 0.3 | | 0.7 ± 0.7 |
| | MONO% | % | 6.0 ± 6.0 | | 4.0 ± 4.0 | | 3.5 ± 3.5 |
| | EOS# | 10 ³ /µL & 10 ⁹ /L | 0.2 ± 0.2 | | 0.4 ± 0.4 | | 0.9 ± 0.9 |
| | EOS% | % | 7.0 ± 7.0 | | 5.5 ± 5.5 | | 4.5 ± 4.5 |
| | BASO# | 10 ³ /µL & 10 ⁹ /L | 0.1 ± 0.1 | | 0.1 ± 0.1 | | 0.2 ± 0.2 |
| | BASO% | % | 1.2 ± 1.2 | | 1.2 ± 1.2 | | 1.2 ± 1.2 |
| | RBC/Ery | 10 ⁶ /µL & 10 ¹² /L | 2.15 ± 0.09 | | 4.64 ± 0.19 | | 5.14 ± 0.21 |
| | Hgb/Hb | g/dL | 5.5 ± 0.22 | | 13.5 ± 0.54 | | 16.3 ± 0.65 |
| | | g/L | 55 ± 2.2 | | 135 ± 5.4 | | 163 ± 6.5 |
| | | mmol/L | 3.4 ± 0.14 | | 8.4 ± 0.34 | | 10.1 ± 0.40 |
| | Hct | % | 16.9 ± 0.8 | | 42.2 ± 2.1 | | 49.2 ± 2.5 |
| | | L/L | 0.169 ± 0.008 | | 0.422 ± 0.021 | | 0.492 ± 0.025 |
| | MCV/VGM | fL | 78.5 ± 4.0 | | 91.0 ± 4.0 | | 95.8 ± 4.0 |
| | MCH/TCMH | pg | 25.6 ± 2.8 | | 29.1 ± 2.0 | | 31.7 ± 2.0 |
| | | fmol | 1.59 ± 0.18 | | 1.80 ± 0.16 | | 1.97 ± 0.16 |
| | MCHC/CCMH | g/dL | 32.6 ± 3.6 | | 32.0 ± 2.8 | | 33.1 ± 2.8 |
| | | g/L | 326 ± 36 | | 320 ± 28 | | 331 ± 28 |
| | | mmol/L | 20.2 ± 2.3 | | 19.8 ± 1.8 | | 20.5 ± 1.8 |
| | RDW/IDR | % | 16.4 ± 3.0 | | 15.7 ± 3.0 | | 15.2 ± 3.0 |
| | Plt | 10 ³ /µL & 10 ⁹ /L | 84 ± 11 | | 250 ± 21 | | 495 ± 37 |
| | MPV/VPM | fL | 8.4 ± 3.0 | | 8.0 ± 3.0 | | 8.0 ± 3.0 |

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