

# Difftrol

## Hematology Reference Control

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Irvine, California 92618  
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Lot No.: **PX403**  
Exp. Date: **2017-03-05** (Y/M/D)

|                          | PARAMETERS | UNITS               | LOW     |        | NORMAL  |        | HIGH    |        |
|--------------------------|------------|---------------------|---------|--------|---------|--------|---------|--------|
|                          |            |                     | Lot No. | PX403L | Lot No. | PX403N | Lot No. | PX403H |
| PENTRA 60 (OT)           | WBC        | 10 <sup>9</sup> /l  | 2.4     | ± 0.4  | 7.5     | ± 1.0  | 18.6    | ± 2.2  |
|                          | RBC        | 10 <sup>12</sup> /l | 2.38    | ± 0.16 | 4.60    | ± 0.20 | 5.10    | ± 0.25 |
|                          | HGB        | g/dl                | 6.9     | ± 0.4  | 13.8    | ± 0.5  | 16.2    | ± 0.6  |
|                          | HCT        | %                   | 19.0    | ± 1.5  | 37.3    | ± 2.0  | 44.4    | ± 2.5  |
|                          | MCV        | µm <sup>3</sup> /fl | 80      | ± 5    | 81      | ± 5    | 87      | ± 5    |
|                          | MCH        | pg                  | 29.0    | ± 2.0  | 30.0    | ± 2.0  | 31.8    | ± 2.5  |
|                          | MCHC       | g/dl                | 36.2    | ± 3.0  | 37.0    | ± 3.0  | 36.5    | ± 3.0  |
|                          | RDW        | %                   | 12.5    | ± 4.0  | 13.1    | ± 4.0  | 12.7    | ± 4.0  |
|                          | PLT        | 10 <sup>9</sup> /l  | 72      | ± 20   | 242     | ± 30   | 480     | ± 50   |
|                          | MPV        | µm <sup>3</sup> /fl | 9.6     | ± 2.0  | 9.5     | ± 2.0  | 9.5     | ± 2.0  |
|                          | LYM        | %                   | 28.8    | ± 12.0 | 33.8    | ± 8.0  | 15.5    | ± 8.0  |
|                          | MON        | %                   | 3.0     | ± 3.0  | 4.2     | ± 3.5  | 5.1     | ± 4.0  |
|                          | NEU        | %                   | 59.0    | ± 10.0 | 55.1    | ± 10.0 | 69.4    | ± 10.0 |
|                          | EOS        | %                   | 5.9     | ± 4.4  | 3.4     | ± 3.0  | 5.6     | ± 4.3  |
|                          | BAS        | %                   | 3.3     | ± 3.3  | 3.5     | ± 3.5  | 4.4     | ± 4.2  |
|                          | LYM        | ≠                   | 0.69    | ± 0.33 | 2.54    | ± 0.70 | 2.88    | ± 1.50 |
|                          | MON        | ≠                   | 0.07    | ± 0.07 | 0.32    | ± 0.26 | 0.95    | ± 0.75 |
|                          | NEU        | ≠                   | 1.42    | ± 0.35 | 4.13    | ± 0.90 | 12.91   | ± 1.90 |
| EOS                      | ≠          | 0.14                | ± 0.11  | 0.26   | ± 0.23  | 1.04   | ± 0.80  |        |
| BAS                      | ≠          | 0.08                | ± 0.08  | 0.26   | ± 0.26  | 0.82   | ± 0.78  |        |
| PENTRA 60 C+             | WBC        | 10 <sup>9</sup> /l  | 2.4     | ± 0.4  | 7.5     | ± 1.0  | 18.6    | ± 2.2  |
|                          | RBC        | 10 <sup>12</sup> /l | 2.38    | ± 0.16 | 4.60    | ± 0.20 | 5.10    | ± 0.25 |
|                          | HGB        | g/dl                | 6.9     | ± 0.4  | 13.8    | ± 0.5  | 16.2    | ± 0.6  |
|                          | HCT        | %                   | 19.0    | ± 1.5  | 37.3    | ± 2.0  | 44.4    | ± 2.5  |
|                          | MCV        | µm <sup>3</sup> /fl | 80      | ± 5    | 81      | ± 5    | 87      | ± 5    |
|                          | MCH        | pg                  | 29.0    | ± 2.0  | 30.0    | ± 2.0  | 31.8    | ± 2.5  |
|                          | MCHC       | g/dl                | 36.2    | ± 3.0  | 37.0    | ± 3.0  | 36.5    | ± 3.0  |
|                          | RDW        | %                   | 12.5    | ± 4.0  | 13.1    | ± 4.0  | 12.7    | ± 4.0  |
|                          | PLT        | 10 <sup>9</sup> /l  | 72      | ± 20   | 242     | ± 30   | 480     | ± 50   |
|                          | MPV        | µm <sup>3</sup> /fl | 9.6     | ± 2.0  | 9.5     | ± 2.0  | 9.5     | ± 2.0  |
|                          | LYM        | %                   | 28.8    | ± 12.0 | 33.8    | ± 8.0  | 15.5    | ± 8.0  |
|                          | MON        | %                   | 3.0     | ± 3.0  | 4.2     | ± 3.5  | 5.1     | ± 4.0  |
|                          | NEU        | %                   | 59.0    | ± 10.0 | 55.1    | ± 10.0 | 69.4    | ± 10.0 |
|                          | EOS        | %                   | 5.9     | ± 4.4  | 3.4     | ± 3.0  | 5.6     | ± 4.3  |
|                          | BAS        | %                   | 3.3     | ± 3.3  | 3.5     | ± 3.5  | 4.4     | ± 4.2  |
|                          | LYM        | ≠                   | 0.69    | ± 0.33 | 2.54    | ± 0.70 | 2.88    | ± 1.50 |
|                          | MON        | ≠                   | 0.07    | ± 0.07 | 0.32    | ± 0.26 | 0.95    | ± 0.75 |
|                          | NEU        | ≠                   | 1.42    | ± 0.35 | 4.13    | ± 0.90 | 12.91   | ± 1.90 |
| EOS                      | ≠          | 0.14                | ± 0.11  | 0.26   | ± 0.23  | 1.04   | ± 0.80  |        |
| BAS                      | ≠          | 0.08                | ± 0.08  | 0.26   | ± 0.26  | 0.82   | ± 0.78  |        |
| PENTRA 80<br>PENTRA XL80 | WBC        | 10 <sup>9</sup> /l  | 2.5     | ± 0.4  | 7.5     | ± 1.0  | 18.2    | ± 2.2  |
|                          | RBC        | 10 <sup>12</sup> /l | 2.34    | ± 0.16 | 4.62    | ± 0.20 | 5.13    | ± 0.25 |
|                          | HGB        | g/dl                | 6.8     | ± 0.4  | 13.8    | ± 0.5  | 16.3    | ± 0.6  |
|                          | HCT        | %                   | 19.4    | ± 1.5  | 37.4    | ± 2.0  | 44.6    | ± 2.5  |
|                          | MCV        | µm <sup>3</sup> /fl | 83      | ± 5    | 81      | ± 5    | 87      | ± 5    |
|                          | MCH        | pg                  | 29.1    | ± 2.0  | 29.9    | ± 2.0  | 31.8    | ± 2.5  |
|                          | MCHC       | g/dl                | 35.0    | ± 3.0  | 36.9    | ± 3.0  | 36.5    | ± 3.0  |
|                          | RDW        | %                   | 12.8    | ± 4.0  | 13.2    | ± 4.0  | 13.2    | ± 4.0  |
|                          | PLT        | 10 <sup>9</sup> /l  | 67      | ± 20   | 237     | ± 30   | 480     | ± 50   |
|                          | MPV        | µm <sup>3</sup> /fl | 10.0    | ± 2.0  | 9.8     | ± 2.0  | 9.8     | ± 2.0  |
|                          | LYM        | %                   | 29.0    | ± 12.0 | 33.3    | ± 8.0  | 14.8    | ± 8.0  |
|                          | MON        | %                   | 3.1     | ± 3.0  | 4.1     | ± 3.5  | 4.8     | ± 4.0  |
|                          | NEU        | %                   | 58.9    | ± 10.0 | 55.5    | ± 10.0 | 71.0    | ± 10.0 |
|                          | EOS        | %                   | 5.7     | ± 4.4  | 3.6     | ± 3.0  | 5.1     | ± 4.3  |
|                          | BAS        | %                   | 3.3     | ± 3.3  | 3.5     | ± 3.5  | 4.3     | ± 4.2  |
|                          | LYM        | ≠                   | 0.73    | ± 0.33 | 2.50    | ± 0.70 | 2.69    | ± 1.50 |
|                          | MON        | ≠                   | 0.08    | ± 0.07 | 0.31    | ± 0.26 | 0.87    | ± 0.75 |
|                          | NEU        | ≠                   | 1.47    | ± 0.35 | 4.16    | ± 0.90 | 12.92   | ± 1.90 |
| EOS                      | ≠          | 0.14                | ± 0.11  | 0.27   | ± 0.23  | 0.93   | ± 0.80  |        |
| BAS                      | ≠          | 0.08                | ± 0.08  | 0.26   | ± 0.26  | 0.78   | ± 0.78  |        |

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|  | PARAMETERS | UNITS               | LOW         |             | NORMAL      |             | HIGH        |              |
|--|------------|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|
|  |            |                     | Lot No.     | PX403L      | Lot No.     | PX403N      | Lot No.     | PX403H       |
| PENTRA XLR                             | WBC        | 10 <sup>9</sup> /l  |             | 2.5 ± 0.4   |             | 7.5 ± 1.0   |             | 18.2 ± 2.2   |
|  | RBC        | 10 <sup>12</sup> /l |             | 2.34 ± 0.16 |             | 4.62 ± 0.20 |             | 5.13 ± 0.25  |
|  | HGB        | g/dl                |             | 6.8 ± 0.4   |             | 13.8 ± 0.5  |             | 16.3 ± 0.6   |
|  | HCT        | %                   |             | 19.4 ± 1.5  |             | 37.4 ± 2.0  |             | 44.6 ± 2.5   |
|  | MCV        | µm <sup>3</sup> /fl |             | 83 ± 5      |             | 81 ± 5      |             | 87 ± 5       |
|  | MCH        | pg                  |             | 29.1 ± 2.0  |             | 29.9 ± 2.0  |             | 31.8 ± 2.5   |
|  | MCHC       | g/dl                |             | 35.0 ± 3.0  |             | 36.9 ± 3.0  |             | 36.5 ± 3.0   |
|  | RDW        | %                   |             | 12.8 ± 4.0  |             | 13.2 ± 4.0  |             | 13.2 ± 4.0   |
|  | PLT        | 10 <sup>9</sup> /l  |             | 67 ± 20     |             | 237 ± 30    |             | 480 ± 50     |
|  | MPV        | µm <sup>3</sup> /fl |             | 10.0 ± 2.0  |             | 9.8 ± 2.0   |             | 9.8 ± 2.0    |
|  | NEU        | ≠                   |             | 1.47 ± 0.35 |             | 4.16 ± 0.90 |             | 12.92 ± 1.90 |
|  | NEU        | %                   |             | 58.9 ± 10.0 |             | 55.5 ± 10.0 |             | 71.0 ± 10.0  |
|  | LYM        | ≠                   |             | 0.73 ± 0.33 |             | 2.50 ± 0.70 |             | 2.69 ± 1.50  |
|  | LYM        | %                   |             | 29.0 ± 12.0 |             | 33.3 ± 8.0  |             | 14.8 ± 8.0   |
|  | MON        | ≠                   |             | 0.08 ± 0.07 |             | 0.31 ± 0.26 |             | 0.87 ± 0.75  |
|  | MON        | %                   |             | 3.1 ± 3.0   |             | 4.1 ± 3.5   |             | 4.8 ± 4.0    |
|  | EOS        | ≠                   |             | 0.14 ± 0.11 |             | 0.27 ± 0.23 |             | 0.93 ± 0.80  |
| EOS                                    | %          |                     | 5.7 ± 4.4   |             | 3.6 ± 3.0   |             | 5.1 ± 4.3   |              |
| BAS                                    | ≠          |                     | 0.08 ± 0.08 |             | 0.26 ± 0.26 |             | 0.78 ± 0.78 |              |
| BAS                                    | %          |                     | 3.3 ± 3.3   |             | 3.5 ± 3.5   |             | 4.3 ± 4.2   |              |
| PENTRA 120                             | WBC        | 10 <sup>9</sup> /l  |             | 2.5 ± 0.4   |             | 7.7 ± 1.0   |             | 19.3 ± 2.2   |
|  | RBC        | 10 <sup>12</sup> /l |             | 2.37 ± 0.16 |             | 4.62 ± 0.20 |             | 5.21 ± 0.25  |
|  | HGB        | g/dl                |             | 6.9 ± 0.4   |             | 13.7 ± 0.5  |             | 16.1 ± 0.6   |
|  | HCT        | %                   |             | 19.7 ± 1.5  |             | 37.9 ± 2.0  |             | 45.3 ± 2.5   |
|  | MCV        | µm <sup>3</sup> /fl |             | 83 ± 5      |             | 82 ± 5      |             | 87 ± 5       |
|  | MCH        | pg                  |             | 29.1 ± 2.0  |             | 29.7 ± 2.0  |             | 30.9 ± 2.5   |
|  | MCHC       | g/dl                |             | 35.1 ± 3.0  |             | 36.2 ± 3.0  |             | 35.5 ± 3.0   |
|  | RDW        | %                   |             | 15.0 ± 4.0  |             | 16.0 ± 4.0  |             | 14.9 ± 4.0   |
|  | PLT        | 10 <sup>9</sup> /l  |             | 72 ± 20     |             | 244 ± 30    |             | 485 ± 50     |
|  | MPV        | µm <sup>3</sup> /fl |             | 10.2 ± 2.0  |             | 10.0 ± 2.0  |             | 10.0 ± 2.0   |
|  | NEU        | ≠                   |             | 1.49 ± 0.35 |             | 4.18 ± 0.90 |             | 13.9 ± 1.90  |
|  | NEU        | %                   |             | 59.6 ± 10.0 |             | 54.3 ± 10.0 |             | 72.2 ± 10.0  |
|  | LYM        | ≠                   |             | 0.70 ± 0.33 |             | 2.63 ± 0.70 |             | 2.61 ± 1.50  |
|  | LYM        | %                   |             | 28.1 ± 12.0 |             | 34.2 ± 8.0  |             | 13.5 ± 8.0   |
|  | MON        | ≠                   |             | 0.10 ± 0.10 |             | 0.42 ± 0.35 |             | 1.22 ± 1.16  |
|  | MON        | %                   |             | 4.1 ± 4.0   |             | 5.4 ± 4.5   |             | 6.3 ± 6.0    |
|  | EOS        | ≠                   |             | 0.14 ± 0.13 |             | 0.24 ± 0.24 |             | 1.06 ± 1.02  |
| EOS                                    | %          |                     | 5.7 ± 5.2   |             | 3.1 ± 3.1   |             | 5.5 ± 5.3   |              |
| BAS                                    | ≠          |                     | 0.06 ± 0.06 |             | 0.23 ± 0.23 |             | 0.48 ± 0.48 |              |
| BAS                                    | %          |                     | 2.5 ± 2.5   |             | 3.0 ± 3.0   |             | 2.5 ± 2.5   |              |
| PENTRA DX/DF 120<br>PENTRA DX/DF NEXUS | WBC        | 10 <sup>9</sup> /l  |             | 2.5 ± 0.4   |             | 7.7 ± 1.0   |             | 19.3 ± 2.2   |
|  | RBC        | 10 <sup>12</sup> /l |             | 2.37 ± 0.16 |             | 4.62 ± 0.20 |             | 5.21 ± 0.25  |
|  | HGB        | g/dl                |             | 6.9 ± 0.4   |             | 13.7 ± 0.5  |             | 16.1 ± 0.6   |
|  | HCT        | %                   |             | 19.7 ± 1.5  |             | 37.9 ± 2.0  |             | 45.3 ± 2.5   |
|  | MCV        | µm <sup>3</sup> /fl |             | 83 ± 5      |             | 82 ± 5      |             | 87 ± 5       |
|  | MCH        | pg                  |             | 29.1 ± 2.0  |             | 29.7 ± 2.0  |             | 30.9 ± 2.5   |
|  | MCHC       | g/dl                |             | 35.1 ± 3.0  |             | 36.2 ± 3.0  |             | 35.5 ± 3.0   |
|  | RDW        | %                   |             | 15.0 ± 4.0  |             | 16.0 ± 4.0  |             | 14.9 ± 4.0   |
|  | PLT        | 10 <sup>9</sup> /l  |             | 72 ± 20     |             | 244 ± 30    |             | 485 ± 50     |
|  | MPV        | µm <sup>3</sup> /fl |             | 10.2 ± 2.0  |             | 10.0 ± 2.0  |             | 10.0 ± 2.0   |
|  | NEU        | ≠                   |             | 1.53 ± 0.35 |             | 4.34 ± 0.90 |             | 14.0 ± 1.90  |
|  | NEU        | %                   |             | 61.1 ± 10.0 |             | 56.3 ± 10.0 |             | 72.6 ± 10.0  |
|  | LYM        | ≠                   |             | 0.68 ± 0.33 |             | 2.55 ± 0.70 |             | 2.62 ± 1.50  |
|  | LYM        | %                   |             | 27.2 ± 12.0 |             | 33.1 ± 8.0  |             | 13.6 ± 8.0   |
|  | MON        | ≠                   |             | 0.10 ± 0.10 |             | 0.35 ± 0.35 |             | 1.16 ± 1.16  |
|  | MON        | %                   |             | 4.0 ± 4.0   |             | 4.5 ± 4.5   |             | 6.0 ± 6.0    |
|  | EOS        | ≠                   |             | 0.13 ± 0.13 |             | 0.24 ± 0.24 |             | 1.02 ± 1.02  |
| EOS                                    | %          |                     | 5.2 ± 5.2   |             | 3.1 ± 3.1   |             | 5.3 ± 5.3   |              |
| BAS                                    | ≠          |                     | 0.06 ± 0.06 |             | 0.23 ± 0.23 |             | 0.48 ± 0.48 |              |
| BAS                                    | %          |                     | 2.5 ± 2.5   |             | 3.0 ± 3.0   |             | 2.5 ± 2.5   |              |

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