

# Difftrol

## Hematology Reference Control

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Lot No.: **PX447**  
Exp. Date: **2024-07-05** (Y/M/D)

|                                | PARAMETERS | UNITS               | LOW     |        | NORMAL  |        | HIGH    |        |
|--------------------------------|------------|---------------------|---------|--------|---------|--------|---------|--------|
|                                |            |                     | Lot No. | PX447L | Lot No. | PX447N | Lot No. | PX447H |
| PENTRA 60 (OT)<br>PENTRA 60 C+ | WBC        | 10 <sup>9</sup> /l  | 3.1     | ± 0.4  | 9.0     | ± 1.0  | 19.1    | ± 2.2  |
|                                | RBC        | 10 <sup>12</sup> /l | 2.35    | ± 0.16 | 4.54    | ± 0.20 | 5.12    | ± 0.25 |
|                                | HGB        | g/dl                | 6.1     | ± 0.4  | 13.4    | ± 0.5  | 16.5    | ± 0.6  |
|                                | HCT        | %                   | 18.1    | ± 1.5  | 38.6    | ± 2.0  | 47.6    | ± 2.5  |
|                                | MCV        | µm <sup>3</sup> /fl | 77      | ± 5    | 85      | ± 5    | 93      | ± 5    |
|                                | MCH        | pg                  | 26.0    | ± 2.0  | 29.5    | ± 2.0  | 32.2    | ± 2.5  |
|                                | MCHC       | g/dl                | 33.7    | ± 3.0  | 34.7    | ± 3.0  | 34.7    | ± 3.0  |
|                                | RDW        | %                   | 14.5    | ± 4.0  | 13.0    | ± 4.0  | 12.0    | ± 4.0  |
|                                | PLT        | 10 <sup>9</sup> /l  | 67      | ± 20   | 252     | ± 30   | 469     | ± 50   |
|                                | MPV        | µm <sup>3</sup> /fl | 8.0     | ± 2.0  | 7.9     | ± 2.0  | 8.5     | ± 2.0  |
|                                | LYM        | %                   | 41.3    | ± 12.0 | 40.6    | ± 8.0  | 19.7    | ± 8.0  |
|                                | MON        | %                   | 3.7     | ± 3.4  | 2.6     | ± 2.2  | 2.3     | ± 1.8  |
|                                | NEU        | %                   | 46.4    | ± 10.0 | 50.8    | ± 10.0 | 70.1    | ± 10.0 |
|                                | EOS        | %                   | 6.0     | ± 6.0  | 3.2     | ± 3.2  | 4.0     | ± 4.0  |
|                                | BAS        | %                   | 2.6     | ± 2.6  | 2.8     | ± 2.8  | 3.9     | ± 3.9  |
|                                | LYM        | ≠                   | 1.28    | ± 0.33 | 3.65    | ± 0.70 | 3.76    | ± 1.50 |
|                                | MON        | ≠                   | 0.11    | ± 0.11 | 0.23    | ± 0.19 | 0.44    | ± 0.34 |
| NEU                            | ≠          | 1.44                | ± 0.35  | 4.57   | ± 0.90  | 13.39  | ± 1.90  |        |
| EOS                            | ≠          | 0.19                | ± 0.19  | 0.29   | ± 0.29  | 0.76   | ± 0.75  |        |
| BAS                            | ≠          | 0.08                | ± 0.08  | 0.25   | ± 0.25  | 0.74   | ± 0.73  |        |
| PENTRA XL80                    | WBC        | 10 <sup>9</sup> /l  | 3.2     | ± 0.4  | 8.9     | ± 1.0  | 18.7    | ± 2.2  |
|                                | RBC        | 10 <sup>12</sup> /l | 2.29    | ± 0.16 | 4.53    | ± 0.20 | 5.12    | ± 0.25 |
|                                | HGB        | g/dl                | 6.1     | ± 0.4  | 13.4    | ± 0.5  | 16.6    | ± 0.6  |
|                                | HCT        | %                   | 18.1    | ± 1.5  | 38.5    | ± 2.0  | 47.1    | ± 2.5  |
|                                | MCV        | µm <sup>3</sup> /fl | 79      | ± 5    | 85      | ± 5    | 92      | ± 5    |
|                                | MCH        | pg                  | 26.6    | ± 2.0  | 29.6    | ± 2.0  | 32.4    | ± 2.5  |
|                                | MCHC       | g/dl                | 33.7    | ± 3.0  | 34.8    | ± 3.0  | 35.2    | ± 3.0  |
|                                | RDW        | %                   | 14.5    | ± 4.0  | 13.5    | ± 4.0  | 12.0    | ± 4.0  |
|                                | PLT        | 10 <sup>9</sup> /l  | 61      | ± 20   | 253     | ± 30   | 470     | ± 50   |
|                                | MPV        | µm <sup>3</sup> /fl | 8.4     | ± 2.0  | 8.4     | ± 2.0  | 9.1     | ± 2.0  |
|                                | LYM        | %                   | 40.9    | ± 12.0 | 40.1    | ± 8.0  | 19.1    | ± 8.0  |
|                                | MON        | %                   | 3.4     | ± 3.4  | 2.4     | ± 2.4  | 2.1     | ± 2.1  |
|                                | NEU        | %                   | 47.0    | ± 10.0 | 51.5    | ± 10.0 | 70.9    | ± 10.0 |
|                                | EOS        | %                   | 6.1     | ± 6.1  | 3.2     | ± 3.2  | 4.0     | ± 4.0  |
|                                | BAS        | %                   | 2.6     | ± 2.6  | 2.8     | ± 2.8  | 3.9     | ± 3.9  |
|                                | LYM        | ≠                   | 1.31    | ± 0.33 | 3.57    | ± 0.70 | 3.57    | ± 1.50 |
|                                | MON        | ≠                   | 0.11    | ± 0.11 | 0.21    | ± 0.21 | 0.39    | ± 0.39 |
| NEU                            | ≠          | 1.50                | ± 0.35  | 4.58   | ± 0.90  | 13.26  | ± 1.90  |        |
| EOS                            | ≠          | 0.20                | ± 0.20  | 0.28   | ± 0.28  | 0.75   | ± 0.75  |        |
| BAS                            | ≠          | 0.08                | ± 0.08  | 0.25   | ± 0.25  | 0.73   | ± 0.73  |        |
| PENTRA XLR                     | WBC        | 10 <sup>9</sup> /l  | 3.2     | ± 0.4  | 8.9     | ± 1.0  | 18.7    | ± 2.2  |
|                                | RBC        | 10 <sup>12</sup> /l | 2.29    | ± 0.16 | 4.53    | ± 0.20 | 5.12    | ± 0.25 |
|                                | HGB        | g/dl                | 6.1     | ± 0.4  | 13.4    | ± 0.5  | 16.6    | ± 0.6  |
|                                | HCT        | %                   | 18.1    | ± 1.5  | 38.5    | ± 2.0  | 47.1    | ± 2.5  |
|                                | MCV        | µm <sup>3</sup> /fl | 79      | ± 5    | 85      | ± 5    | 92      | ± 5    |
|                                | MCH        | pg                  | 26.6    | ± 2.0  | 29.6    | ± 2.0  | 32.4    | ± 2.5  |
|                                | MCHC       | g/dl                | 33.7    | ± 3.0  | 34.8    | ± 3.0  | 35.2    | ± 3.0  |
|                                | RDW        | %                   | 14.5    | ± 4.0  | 13.5    | ± 4.0  | 12.0    | ± 4.0  |
|                                | PLT        | 10 <sup>9</sup> /l  | 61      | ± 20   | 253     | ± 30   | 470     | ± 50   |
|                                | MPV        | µm <sup>3</sup> /fl | 8.4     | ± 2.0  | 8.4     | ± 2.0  | 9.1     | ± 2.0  |
|                                | NEU        | ≠                   | 1.50    | ± 0.35 | 4.58    | ± 0.90 | 13.26   | ± 1.90 |
|                                | NEU        | %                   | 47.0    | ± 10.0 | 51.5    | ± 10.0 | 70.9    | ± 10.0 |
|                                | LYM        | ≠                   | 1.31    | ± 0.33 | 3.57    | ± 0.70 | 3.57    | ± 1.50 |
|                                | LYM        | %                   | 40.9    | ± 12.0 | 40.1    | ± 8.0  | 19.1    | ± 8.0  |
|                                | MON        | ≠                   | 0.11    | ± 0.11 | 0.21    | ± 0.21 | 0.39    | ± 0.39 |
|                                | MON        | %                   | 3.4     | ± 3.4  | 2.4     | ± 2.4  | 2.1     | ± 2.1  |
|                                | EOS        | ≠                   | 0.20    | ± 0.20 | 0.28    | ± 0.28 | 0.75    | ± 0.75 |
| EOS                            | %          | 6.1                 | ± 6.1   | 3.2    | ± 3.2   | 4.0    | ± 4.0   |        |
| BAS                            | ≠          | 0.08                | ± 0.08  | 0.25   | ± 0.25  | 0.73   | ± 0.73  |        |
| BAS                            | %          | 2.6                 | ± 2.6   | 2.8    | ± 2.8   | 3.9    | ± 3.9   |        |

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|                    | PARAMETERS | UNITS               | LOW                   | NORMAL                | HIGH                  | ++ |
|--------------------|------------|---------------------|-----------------------|-----------------------|-----------------------|----|
|                    |            |                     | Lot No. <b>PX447L</b> | Lot No. <b>PX447N</b> | Lot No. <b>PX447H</b> |    |
| PENTRA DX/DF 120   | WBC        | 10 <sup>9</sup> /l  | <b>3.1</b> ± 0.4      | <b>9.1</b> ± 1.0      | <b>19.3</b> ± 2.2     |    |
|                    | RBC        | 10 <sup>12</sup> /l | <b>2.33</b> ± 0.16    | <b>4.59</b> ± 0.20    | <b>5.23</b> ± 0.25    |    |
|                    | HGB        | g/dl                | <b>6.2</b> ± 0.4      | <b>13.4</b> ± 0.5     | <b>16.5</b> ± 0.6     |    |
|                    | HCT        | %                   | <b>18.6</b> ± 1.5     | <b>39.5</b> ± 2.0     | <b>48.1</b> ± 2.5     |    |
|                    | MCV        | µm <sup>3</sup> /fl | <b>80</b> ± 5         | <b>86</b> ± 5         | <b>92</b> ± 5         |    |
|                    | MCH        | pg                  | <b>26.6</b> ± 2.0     | <b>29.2</b> ± 2.0     | <b>31.5</b> ± 2.5     |    |
|                    | MCHC       | g/dl                | <b>33.3</b> ± 3.0     | <b>33.9</b> ± 3.0     | <b>34.3</b> ± 3.0     |    |
|                    | RDW        | %                   | <b>17.0</b> ± 4.0     | <b>15.5</b> ± 4.0     | <b>13.5</b> ± 4.0     |    |
|                    | PLT        | 10 <sup>9</sup> /l  | <b>66</b> ± 20        | <b>254</b> ± 30       | <b>474</b> ± 50       |    |
|                    | MPV        | µm <sup>3</sup> /fl | <b>8.7</b> ± 2.0      | <b>8.2</b> ± 2.0      | <b>8.8</b> ± 2.0      |    |
|                    | NEU        | ≠                   | <b>1.61</b> ± 0.35    | <b>4.92</b> ± 0.90    | <b>13.9</b> ± 1.90    |    |
|                    | NEU        | %                   | <b>51.9</b> ± 10.0    | <b>54.1</b> ± 10.0    | <b>71.9</b> ± 10.0    |    |
|                    | LYM        | ≠                   | <b>1.01</b> ± 0.33    | <b>3.16</b> ± 0.70    | <b>3.15</b> ± 1.50    |    |
|                    | LYM        | %                   | <b>32.5</b> ± 12.0    | <b>34.7</b> ± 8.0     | <b>16.3</b> ± 8.0     |    |
|                    | MON        | ≠                   | <b>0.11</b> ± 0.11    | <b>0.24</b> ± 0.24    | <b>0.42</b> ± 0.42    |    |
|                    | MON        | %                   | <b>3.6</b> ± 3.6      | <b>2.6</b> ± 2.6      | <b>2.2</b> ± 2.2      |    |
|                    | EOS        | ≠                   | <b>0.23</b> ± 0.23    | <b>0.35</b> ± 0.35    | <b>0.87</b> ± 0.87    |    |
|                    | EOS        | %                   | <b>7.4</b> ± 7.4      | <b>3.8</b> ± 3.8      | <b>4.5</b> ± 4.5      |    |
| BAS                | ≠          | <b>0.14</b> ± 0.14  | <b>0.44</b> ± 0.44    | <b>0.98</b> ± 0.98    |                       |    |
| BAS                | %          | <b>4.6</b> ± 4.6    | <b>4.8</b> ± 4.8      | <b>5.1</b> ± 5.1      |                       |    |
| PENTRA DX/DF NEXUS | WBC        | 10 <sup>9</sup> /l  | <b>3.1</b> ± 0.4      | <b>9.1</b> ± 1.0      | <b>19.3</b> ± 2.2     |    |
|                    | RBC        | 10 <sup>12</sup> /l | <b>2.33</b> ± 0.16    | <b>4.59</b> ± 0.20    | <b>5.23</b> ± 0.25    |    |
|                    | HGB        | g/dl                | <b>6.2</b> ± 0.4      | <b>13.4</b> ± 0.5     | <b>16.5</b> ± 0.6     |    |
|                    | HCT        | %                   | <b>18.6</b> ± 1.5     | <b>39.5</b> ± 2.0     | <b>48.1</b> ± 2.5     |    |
|                    | MCV        | µm <sup>3</sup> /fl | <b>80</b> ± 5         | <b>86</b> ± 5         | <b>92</b> ± 5         |    |
|                    | MCH        | pg                  | <b>26.6</b> ± 2.0     | <b>29.2</b> ± 2.0     | <b>31.5</b> ± 2.5     |    |
|                    | MCHC       | g/dl                | <b>33.3</b> ± 3.0     | <b>33.9</b> ± 3.0     | <b>34.3</b> ± 3.0     |    |
|                    | RDW        | %                   | <b>17.0</b> ± 4.0     | <b>15.5</b> ± 4.0     | <b>13.5</b> ± 4.0     |    |
|                    | PLT        | 10 <sup>9</sup> /l  | <b>66</b> ± 20        | <b>254</b> ± 30       | <b>474</b> ± 50       |    |
|                    | MPV        | µm <sup>3</sup> /fl | <b>8.7</b> ± 2.0      | <b>8.2</b> ± 2.0      | <b>8.8</b> ± 2.0      |    |
|                    | NEU        | ≠                   | <b>1.61</b> ± 0.35    | <b>4.92</b> ± 0.90    | <b>13.9</b> ± 1.90    |    |
|                    | NEU        | %                   | <b>51.9</b> ± 10.0    | <b>54.1</b> ± 10.0    | <b>71.9</b> ± 10.0    |    |
|                    | LYM        | ≠                   | <b>1.01</b> ± 0.33    | <b>3.16</b> ± 0.70    | <b>3.15</b> ± 1.50    |    |
|                    | LYM        | %                   | <b>32.5</b> ± 12.0    | <b>34.7</b> ± 8.0     | <b>16.3</b> ± 8.0     |    |
|                    | MON        | ≠                   | <b>0.11</b> ± 0.11    | <b>0.24</b> ± 0.24    | <b>0.42</b> ± 0.42    |    |
|                    | MON        | %                   | <b>3.6</b> ± 3.6      | <b>2.6</b> ± 2.6      | <b>2.2</b> ± 2.2      |    |
|                    | EOS        | ≠                   | <b>0.23</b> ± 0.23    | <b>0.35</b> ± 0.35    | <b>0.87</b> ± 0.87    |    |
|                    | EOS        | %                   | <b>7.4</b> ± 7.4      | <b>3.8</b> ± 3.8      | <b>4.5</b> ± 4.5      |    |
| BAS                | ≠          | <b>0.14</b> ± 0.14  | <b>0.44</b> ± 0.44    | <b>0.98</b> ± 0.98    |                       |    |
| BAS                | %          | <b>4.6</b> ± 4.6    | <b>4.8</b> ± 4.8      | <b>5.1</b> ± 5.1      |                       |    |

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