

# MINOTROL-16™

## Hematology Reference Control

9755 Research Drive  
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Lot No.: **MX424**  
Exp. Date: **2020-09-05** (Y/M/D)

| Parameter/Units            | Low Abnormal Lot # <b>MX424L</b> |             |             | Normal Lot # <b>MX424N</b> |             |             | High Abnormal Lot # <b>MX424H</b> |             |             |             |
|----------------------------|----------------------------------|-------------|-------------|----------------------------|-------------|-------------|-----------------------------------|-------------|-------------|-------------|
|                            | Assay                            | Range       | Limits      | Assay                      | Range       | Limits      | Assay                             | Range       | Limits      |             |
| ABX MICROS 60<br>ADVIA® 60 | WBC K/μL                         | <b>2.0</b>  | 0.4         | 1.6 - 2.4                  | <b>7.9</b>  | 0.8         | 7.1 - 8.7                         | <b>20.7</b> | 1.6         | 19.1 - 22.3 |
|                            | RBC M/μL                         | <b>2.36</b> | 0.15        | 2.21 - 2.51                | <b>4.56</b> | 0.18        | 4.38 - 4.74                       | <b>5.65</b> | 0.20        | 5.45 - 5.85 |
|                            | HGB g/dL                         | <b>6.1</b>  | 0.4         | 5.7 - 6.5                  | <b>13.6</b> | 0.6         | 13.0 - 14.2                       | <b>18.4</b> | 0.7         | 17.7 - 19.1 |
|                            | HCT %                            | <b>16.3</b> | 2.0         | 14.3 - 18.3                | <b>36.9</b> | 2.5         | 34.4 - 39.4                       | <b>50.3</b> | 3.0         | 47.3 - 53.3 |
|                            | MCV fL                           | <b>69</b>   | 4           | 65 - 73                    | <b>81</b>   | 4           | 77 - 85                           | <b>89</b>   | 4           | 85 - 93     |
|                            | MCH pg                           | <b>25.8</b> | 2.0         | 23.8 - 27.8                | <b>29.8</b> | 2.0         | 27.8 - 31.8                       | <b>32.6</b> | 2.0         | 30.6 - 34.6 |
|                            | MCHC g/dL                        | <b>37.5</b> | 3.0         | 34.5 - 40.5                | <b>36.8</b> | 3.0         | 33.8 - 39.8                       | <b>36.6</b> | 3.0         | 33.6 - 39.6 |
|                            | RDW %                            | <b>13.5</b> | 3.0         | 10.5 - 16.5                | <b>13.4</b> | 3.0         | 10.4 - 16.4                       | <b>12.2</b> | 3.0         | 9.2 - 15.2  |
|                            | PLT K/μL                         | <b>74</b>   | 20          | 54 - 94                    | <b>262</b>  | 40          | 222 - 302                         | <b>518</b>  | 65          | 453 - 583   |
|                            | MPV fL                           | <b>7.6</b>  | 2.0         | 5.6 - 9.6                  | <b>7.1</b>  | 2.0         | 5.1 - 9.1                         | <b>7.0</b>  | 2.0         | 5.0 - 9.0   |
|                            | Lym %                            | <b>62.5</b> | 8.0         | 54.5 - 70.5                | <b>33.5</b> | 5.0         | 28.5 - 38.5                       | <b>15.5</b> | 5.0         | 10.5 - 20.5 |
|                            | Lym K/μL                         | <b>1.3</b>  | 0.4         | 0.9 - 1.7                  | <b>2.7</b>  | 0.4         | 2.3 - 3.1                         | <b>3.2</b>  | 1.0         | 2.2 - 4.2   |
|                            | Mon %                            | <b>10.0</b> | 6.0         | 4.0 - 16.0                 | <b>7.0</b>  | 4.0         | 3.0 - 11.0                        | <b>4.5</b>  | 4.0         | 0.5 - 8.5   |
|                            | Mon K/μL                         | <b>0.2</b>  | 0.2         | 0.0 - 0.4                  | <b>0.6</b>  | 0.3         | 0.3 - 0.9                         | <b>0.9</b>  | 0.8         | 0.1 - 1.7   |
| Gran %                     | <b>27.5</b>                      | 7.0         | 20.5 - 34.5 | <b>59.5</b>                | 6.0         | 53.5 - 65.5 | <b>80.0</b>                       | 7.0         | 73.0 - 87.0 |             |
| Gran K/μL                  | <b>0.6</b>                       | 0.4         | 0.2 - 1.0   | <b>4.7</b>                 | 0.8         | 3.9 - 5.5   | <b>16.6</b>                       | 1.4         | 15.2 - 18.0 |             |
| ABX MICROS ESV 60          | WBC K/μL                         | <b>1.8</b>  | 0.4         | 1.4 - 2.2                  | <b>7.4</b>  | 0.8         | 6.6 - 8.2                         | <b>20.0</b> | 1.6         | 18.4 - 21.6 |
|                            | RBC M/μL                         | <b>2.37</b> | 0.15        | 2.22 - 2.52                | <b>4.59</b> | 0.18        | 4.41 - 4.77                       | <b>5.68</b> | 0.20        | 5.48 - 5.88 |
|                            | HGB g/dL                         | <b>5.9</b>  | 0.4         | 5.5 - 6.3                  | <b>13.4</b> | 0.5         | 12.9 - 13.9                       | <b>18.1</b> | 0.6         | 17.5 - 18.7 |
|                            | HCT %                            | <b>16.6</b> | 2.0         | 14.6 - 18.6                | <b>37.2</b> | 2.5         | 34.7 - 39.7                       | <b>50.6</b> | 3.0         | 47.6 - 53.6 |
|                            | MCV fL                           | <b>70</b>   | 4           | 66 - 74                    | <b>81</b>   | 4           | 77 - 85                           | <b>89</b>   | 4           | 85 - 93     |
|                            | MCH pg                           | <b>24.9</b> | 2.0         | 22.9 - 26.9                | <b>29.2</b> | 2.0         | 27.2 - 31.2                       | <b>31.9</b> | 2.0         | 29.9 - 33.9 |
|                            | MCHC g/dL                        | <b>35.6</b> | 3.0         | 32.6 - 38.6                | <b>36.0</b> | 3.0         | 33.0 - 39.0                       | <b>35.8</b> | 3.0         | 32.8 - 38.8 |
|                            | RDW %                            | <b>14.5</b> | 3.0         | 11.5 - 17.5                | <b>14.4</b> | 3.0         | 11.4 - 17.4                       | <b>13.5</b> | 3.0         | 10.5 - 16.5 |
|                            | PLT K/μL                         | <b>70</b>   | 20          | 50 - 90                    | <b>269</b>  | 40          | 229 - 309                         | <b>528</b>  | 65          | 463 - 593   |
|                            | MPV fL                           | <b>8.7</b>  | 2.0         | 6.7 - 10.7                 | <b>8.4</b>  | 2.0         | 6.4 - 10.4                        | <b>8.2</b>  | 2.0         | 6.2 - 10.2  |
|                            | Lym %                            | <b>53.0</b> | 8.0         | 45.0 - 61.0                | <b>26.0</b> | 5.0         | 21.0 - 31.0                       | <b>12.0</b> | 5.0         | 7.0 - 17.0  |
|                            | Lym K/μL                         | <b>1.0</b>  | 0.4         | 0.6 - 1.4                  | <b>1.9</b>  | 0.4         | 1.5 - 2.3                         | <b>2.4</b>  | 1.0         | 1.4 - 3.4   |
|                            | Mon %                            | <b>12.5</b> | 6.0         | 6.5 - 18.5                 | <b>8.5</b>  | 4.0         | 4.5 - 12.5                        | <b>4.0</b>  | 4.0         | 0.0 - 8.0   |
|                            | Mon K/μL                         | <b>0.2</b>  | 0.2         | 0.0 - 0.4                  | <b>0.6</b>  | 0.3         | 0.3 - 0.9                         | <b>0.8</b>  | 0.8         | 0.0 - 1.6   |
| Gran %                     | <b>34.5</b>                      | 7.0         | 27.5 - 41.5 | <b>65.5</b>                | 6.0         | 59.5 - 71.5 | <b>84.0</b>                       | 7.0         | 77.0 - 91.0 |             |
| Gran K/μL                  | <b>0.6</b>                       | 0.4         | 0.2 - 1.0   | <b>4.9</b>                 | 0.6         | 4.3 - 5.5   | <b>16.8</b>                       | 1.4         | 15.4 - 18.2 |             |

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|--------------------------------|----------------------------------|-------------|-----------|----------------------------|-------------|-----------|-----------------------------------|-------------|-------------|-------------|
|                                | Assay                            | Range       | Limits    | Assay                      | Range       | Limits    | Assay                             | Range       | Limits      |             |
| ABX MICROS ES 60               | WBC K/ $\mu$ L                   | <b>2.0</b>  | 0.4       | 1.6 - 2.4                  | <b>7.8</b>  | 0.8       | 7.0 - 8.6                         | <b>20.8</b> | 1.6         | 19.2 - 22.4 |
|                                | RBC M/ $\mu$ L                   | <b>2.36</b> | 0.15      | 2.21 - 2.51                | <b>4.54</b> | 0.18      | 4.36 - 4.72                       | <b>5.63</b> | 0.20        | 5.43 - 5.83 |
|                                | HGB g/dL                         | <b>6.0</b>  | 0.4       | 5.6 - 6.4                  | <b>13.4</b> | 0.5       | 12.9 - 13.9                       | <b>17.9</b> | 0.6         | 17.3 - 18.5 |
|                                | HCT %                            | <b>16.3</b> | 2.0       | 14.3 - 18.3                | <b>36.8</b> | 2.5       | 34.3 - 39.3                       | <b>50.1</b> | 3.0         | 47.1 - 53.1 |
|                                | MCV fL                           | <b>69</b>   | 4         | 65 - 73                    | <b>81</b>   | 4         | 77 - 85                           | <b>89</b>   | 4           | 85 - 93     |
|                                | MCH pg                           | <b>25.4</b> | 2.0       | 23.4 - 27.4                | <b>29.5</b> | 2.0       | 27.5 - 31.5                       | <b>31.8</b> | 2.0         | 29.8 - 33.8 |
|                                | MCHC g/dL                        | <b>36.8</b> | 3.0       | 33.8 - 39.8                | <b>36.4</b> | 3.0       | 33.4 - 39.4                       | <b>35.7</b> | 3.0         | 32.7 - 38.7 |
|                                | RDW %                            | <b>14.5</b> | 3.0       | 11.5 - 17.5                | <b>14.2</b> | 3.0       | 11.2 - 17.2                       | <b>13.2</b> | 3.0         | 10.2 - 16.2 |
|                                | PLT K/ $\mu$ L                   | <b>75</b>   | 20        | 55 - 95                    | <b>267</b>  | 40        | 227 - 307                         | <b>523</b>  | 65          | 458 - 588   |
|                                | MPV fL                           | <b>8.4</b>  | 2.0       | 6.4 - 10.4                 | <b>7.7</b>  | 2.0       | 5.7 - 9.7                         | <b>7.4</b>  | 2.0         | 5.4 - 9.4   |
|                                | Lym %                            | <b>63.0</b> | 8.0       | 55.0 - 71.0                | <b>34.0</b> | 5.0       | 29.0 - 39.0                       | <b>17.0</b> | 5.0         | 12.0 - 22.0 |
|                                | Lym K/ $\mu$ L                   | <b>1.3</b>  | 0.4       | 0.9 - 1.7                  | <b>2.7</b>  | 0.4       | 2.3 - 3.1                         | <b>3.5</b>  | 1.0         | 2.5 - 4.5   |
|                                | Mon %                            | <b>9.5</b>  | 6.0       | 3.5 - 15.5                 | <b>7.0</b>  | 4.0       | 3.0 - 11.0                        | <b>4.5</b>  | 4.0         | 0.5 - 8.5   |
|                                | Mon K/ $\mu$ L                   | <b>0.2</b>  | 0.2       | 0.0 - 0.4                  | <b>0.6</b>  | 0.3       | 0.3 - 0.9                         | <b>0.9</b>  | 0.8         | 0.1 - 1.7   |
|                                | Gran %                           | <b>27.5</b> | 7.0       | 20.5 - 34.5                | <b>59.0</b> | 6.0       | 53.0 - 65.0                       | <b>78.5</b> | 7.0         | 71.5 - 85.5 |
| Gran K/ $\mu$ L                | <b>0.6</b>                       | 0.4         | 0.2 - 1.0 | <b>4.6</b>                 | 0.6         | 4.0 - 5.2 | <b>16.3</b>                       | 1.4         | 14.9 - 17.7 |             |
| CENTRIFUGED<br>MICROHEMATOCRIT | Spun HCT %                       | <b>15.0</b> | 2.2       | 12.8 - 17.2                | <b>34.5</b> | 3.0       | 31.5 - 37.5                       | <b>47.0</b> | 4.0         | 43.0 - 51.0 |

For technical assistance, call the Customer Support Center at 1-888-903-5001.