

# MINOTROL-16™

## Hematology Reference Control

9755 Research Drive  
Irvine, California 92618  
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Lot No.: **MX423**  
Exp. Date: **2020-07-05** (Y/M/D)

	Parameter/Units	Low Abnormal Lot # <b>MX423L</b>			Normal Lot # <b>MX423N</b>			High Abnormal Lot # <b>MX423H</b>		
		Assay	Range	Limits	Assay	Range	Limits	Assay	Range	Limits
ABX MICROS 60 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>20.9</b>	1.6	19.3 - 22.5
	RBC M/μL	<b>2.32</b>	0.15	2.17 - 2.47	<b>4.66</b>	0.18	4.48 - 4.84	<b>5.65</b>	0.20	5.45 - 5.85
	HGB g/dL	<b>6.0</b>	0.4	5.6 - 6.4	<b>13.7</b>	0.6	13.1 - 14.3	<b>18.3</b>	0.7	17.6 - 19.0
	HCT %	<b>16.0</b>	2.0	14.0 - 18.0	<b>37.7</b>	2.5	35.2 - 40.2	<b>50.9</b>	3.0	47.9 - 53.9
	MCV fL	<b>69</b>	4	65 - 73	<b>81</b>	4	77 - 85	<b>90</b>	4	86 - 94
	MCH pg	<b>25.9</b>	2.0	23.9 - 27.9	<b>29.4</b>	2.0	27.4 - 31.4	<b>32.4</b>	2.0	30.4 - 34.4
	MCHC g/dL	<b>37.5</b>	3.0	34.5 - 40.5	<b>36.3</b>	3.0	33.3 - 39.3	<b>36.0</b>	3.0	33.0 - 39.0
	RDW %	<b>13.5</b>	3.0	10.5 - 16.5	<b>13.0</b>	3.0	10.0 - 16.0	<b>12.5</b>	3.0	9.5 - 15.5
	PLT K/μL	<b>74</b>	20	54 - 94	<b>264</b>	40	224 - 304	<b>500</b>	65	435 - 565
	MPV fL	<b>7.6</b>	2.0	5.6 - 9.6	<b>7.7</b>	2.0	5.7 - 9.7	<b>7.5</b>	2.0	5.5 - 9.5
	Lym %	<b>64.0</b>	8.0	56.0 - 72.0	<b>34.0</b>	5.0	29.0 - 39.0	<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>11.0</b>	6.0	5.0 - 17.0	<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>25.0</b>	7.0	18.0 - 32.0	<b>59.0</b>	6.0	53.0 - 65.0	<b>80.0</b>	7.0	73.0 - 87.0	
Gran K/μL	<b>0.5</b>	0.4	0.1 - 0.9	<b>4.7</b>	0.6	4.1 - 5.3	<b>16.7</b>	1.4	15.3 - 18.1	
ABX MICROS ESV 60	WBC K/μL	<b>1.9</b>	0.4	1.5 - 2.3	<b>7.6</b>	0.8	6.8 - 8.4	<b>20.2</b>	1.6	18.6 - 21.8
	RBC M/μL	<b>2.33</b>	0.15	2.18 - 2.48	<b>4.70</b>	0.18	4.52 - 4.88	<b>5.64</b>	0.20	5.44 - 5.84
	HGB g/dL	<b>5.8</b>	0.4	5.4 - 6.2	<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>38.1</b>	2.5	35.6 - 40.6	<b>50.8</b>	3.0	47.8 - 53.8
	MCV fL	<b>70</b>	4	66 - 74	<b>81</b>	4	77 - 85	<b>90</b>	4	86 - 94
	MCH pg	<b>24.9</b>	2.0	22.9 - 26.9	<b>28.5</b>	2.0	26.5 - 30.5	<b>31.7</b>	2.0	29.7 - 33.7
	MCHC g/dL	<b>35.6</b>	3.0	32.6 - 38.6	<b>35.2</b>	3.0	32.2 - 38.2	<b>35.3</b>	3.0	32.3 - 38.3
	RDW %	<b>14.5</b>	3.0	11.5 - 17.5	<b>14.5</b>	3.0	11.5 - 17.5	<b>14.0</b>	3.0	11.0 - 17.0
	PLT K/μL	<b>72</b>	20	52 - 92	<b>266</b>	40	226 - 306	<b>512</b>	65	447 - 577
	MPV fL	<b>8.8</b>	2.0	6.8 - 10.8	<b>9.0</b>	2.0	7.0 - 11.0	<b>8.7</b>	2.0	6.7 - 10.7
	Lym %	<b>54.5</b>	8.0	46.5 - 62.5	<b>27.0</b>	5.0	22.0 - 32.0	<b>11.5</b>	5.0	6.5 - 16.5
	Lym K/μL	<b>1.0</b>	0.4	0.6 - 1.4	<b>2.1</b>	0.4	1.7 - 2.5	<b>2.3</b>	1.0	1.3 - 3.3
	Mon %	<b>13.5</b>	6.0	7.5 - 19.5	<b>10.0</b>	4.0	6.0 - 14.0	<b>5.5</b>	4.0	1.5 - 9.5
	Mon K/μL	<b>0.3</b>	0.2	0.1 - 0.5	<b>0.8</b>	0.3	0.5 - 1.1	<b>1.1</b>	0.8	0.3 - 1.9
Gran %	<b>32.0</b>	7.0	25.0 - 39.0	<b>63.0</b>	6.0	57.0 - 69.0	<b>83.0</b>	7.0	76.0 - 90.0	
Gran K/μL	<b>0.6</b>	0.4	0.2 - 1.0	<b>4.8</b>	0.6	4.2 - 5.4	<b>16.8</b>	1.4	15.4 - 18.2	

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Parameter/Units	Low Abnormal Lot # <b>MX423L</b>			Normal Lot # <b>MX423N</b>			High Abnormal Lot # <b>MX423H</b>			
	Assay	Range	Limits	Assay	Range	Limits	Assay	Range	Limits	
ABX MICROS ES 60	WBC K/ $\mu$ L	<b>2.1</b>	0.4	1.7 - 2.5	<b>7.8</b>	0.8	7.0 - 8.6	<b>21.0</b>	1.6	19.4 - 22.6
	RBC M/ $\mu$ L	<b>2.34</b>	0.15	2.19 - 2.49	<b>4.68</b>	0.18	4.50 - 4.86	<b>5.70</b>	0.20	5.50 - 5.90
	HGB g/dL	<b>6.0</b>	0.4	5.6 - 6.4	<b>13.6</b>	0.5	13.1 - 14.1	<b>18.2</b>	0.6	17.6 - 18.8
	HCT %	<b>16.1</b>	2.0	14.1 - 18.1	<b>37.9</b>	2.5	35.4 - 40.4	<b>50.7</b>	3.0	47.7 - 53.7
	MCV fL	<b>69</b>	4	65 - 73	<b>81</b>	4	77 - 85	<b>89</b>	4	85 - 93
	MCH pg	<b>25.6</b>	2.0	23.6 - 27.6	<b>29.1</b>	2.0	27.1 - 31.1	<b>31.9</b>	2.0	29.9 - 33.9
	MCHC g/dL	<b>37.2</b>	3.0	34.2 - 40.2	<b>35.9</b>	3.0	32.9 - 38.9	<b>35.9</b>	3.0	32.9 - 38.9
	RDW %	<b>14.0</b>	3.0	11.0 - 17.0	<b>14.0</b>	3.0	11.0 - 17.0	<b>13.5</b>	3.0	10.5 - 16.5
	PLT K/ $\mu$ L	<b>74</b>	20	54 - 94	<b>263</b>	40	223 - 303	<b>507</b>	65	442 - 572
	MPV fL	<b>8.4</b>	2.0	6.4 - 10.4	<b>8.1</b>	2.0	6.1 - 10.1	<b>7.9</b>	2.0	5.9 - 9.9
	Lym %	<b>64.0</b>	8.0	56.0 - 72.0	<b>34.0</b>	5.0	29.0 - 39.0	<b>16.5</b>	5.0	11.5 - 21.5
	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>10.5</b>	6.0	4.5 - 16.5	<b>7.5</b>	4.0	3.5 - 11.5	<b>5.0</b>	4.0	1.0 - 9.0
	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>1.1</b>	0.8	0.3 - 1.9
	Gran %	<b>25.5</b>	7.0	18.5 - 32.5	<b>58.5</b>	6.0	52.5 - 64.5	<b>78.5</b>	7.0	71.5 - 85.5
Gran K/ $\mu$ L	<b>0.5</b>	0.4	0.1 - 0.9	<b>4.6</b>	0.6	4.0 - 5.2	<b>16.5</b>	1.4	15.1 - 17.9	
CENTRIFUGED MICROHEMATOCRIT	Spun HCT %	<b>15.0</b>	2.2	12.8 - 17.2	<b>35.0</b>	3.0	32.0 - 38.0	<b>47.5</b>	4.0	43.5 - 51.5

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

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