

# MINOTROL-16™

## Hematology Reference Control

9755 Research Drive  
Irvine, California 92618  
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Lot No.: **MX447**  
Exp. Date: **2024-07-05** (Y/M/D)

	Parameter/Units	Low Abnormal Lot # <b>MX447L</b>			Normal Lot # <b>MX447N</b>			High Abnormal Lot # <b>MX447H</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>7.5</b>	0.8	6.7 - 8.3	<b>20.3</b>	1.7	18.6 - 22.0
	RBC M/μL	<b>2.26</b>	0.17	2.09 - 2.43	<b>4.53</b>	0.26	4.27 - 4.79	<b>5.78</b>	0.32	5.46 - 6.10
	HGB g/dL	<b>6.1</b>	0.5	5.6 - 6.6	<b>13.5</b>	0.7	12.8 - 14.2	<b>18.3</b>	0.9	17.4 - 19.2
	HCT %	<b>16.3</b>	2.0	14.3 - 18.3	<b>37.1</b>	2.7	34.4 - 39.8	<b>51.4</b>	3.4	48.0 - 54.8
	MCV fL	<b>72</b>	4	68 - 76	<b>82</b>	4	78 - 86	<b>89</b>	4	85 - 93
	MCH pg	<b>27.0</b>	2.0	25.0 - 29.0	<b>29.8</b>	2.0	27.8 - 31.8	<b>31.7</b>	2.0	29.7 - 33.7
	MCHC g/dL	<b>37.5</b>	3.0	34.5 - 40.5	<b>36.3</b>	3.0	33.3 - 39.3	<b>35.6</b>	3.0	32.6 - 38.6
	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/μL	<b>79</b>	22	57 - 101	<b>259</b>	40	219 - 299	<b>494</b>	65	429 - 559
	MPV fL	<b>7.4</b>	2.0	5.4 - 9.4	<b>6.7</b>	2.0	4.7 - 8.7	<b>6.6</b>	2.0	4.6 - 8.6
	Lym %	<b>62.0</b>	8.0	54.0 - 70.0	<b>34.5</b>	5.0	29.5 - 39.5	<b>15.0</b>	5.0	10.0 - 20.0
	Lym K/μL	<b>1.2</b>	0.4	0.8 - 1.6	<b>2.6</b>	0.4	2.2 - 3.0	<b>3.1</b>	1.0	2.1 - 4.1
	Mon %	<b>9.0</b>	6.0	3.0 - 15.0	<b>7.5</b>	6.0	1.5 - 13.5	<b>5.5</b>	4.0	1.5 - 9.5
	Mon K/μL	<b>0.2</b>	0.2	0.0 - 0.4	<b>0.6</b>	0.5	0.1 - 1.1	<b>1.1</b>	0.8	0.3 - 1.9
Gran %	<b>29.0</b>	7.0	22.0 - 36.0	<b>58.0</b>	6.0	52.0 - 64.0	<b>79.5</b>	7.0	72.5 - 86.5	
Gran K/μL	<b>0.6</b>	0.4	0.2 - 1.0	<b>4.4</b>	0.6	3.8 - 5.0	<b>16.1</b>	1.4	14.7 - 17.5	
ABX MICROS ESV 60	WBC K/μL	<b>1.8</b>	0.4	1.4 - 2.2	<b>7.1</b>	0.8	6.3 - 7.9	<b>19.7</b>	1.6	18.1 - 21.3
	RBC M/μL	<b>2.27</b>	0.15	2.12 - 2.42	<b>4.54</b>	0.18	4.36 - 4.72	<b>5.73</b>	0.20	5.53 - 5.93
	HGB g/dL	<b>5.9</b>	0.4	5.5 - 6.3	<b>13.2</b>	0.5	12.7 - 13.7	<b>18.1</b>	0.6	17.5 - 18.7
	HCT %	<b>16.3</b>	2.0	14.3 - 18.3	<b>36.8</b>	2.5	34.3 - 39.3	<b>50.4</b>	3.0	47.4 - 53.4
	MCV fL	<b>72</b>	4	68 - 76	<b>81</b>	4	77 - 85	<b>88</b>	4	84 - 92
	MCH pg	<b>26.0</b>	2.0	24.0 - 28.0	<b>29.1</b>	2.0	27.1 - 31.1	<b>31.6</b>	2.0	29.6 - 33.6
	MCHC g/dL	<b>36.1</b>	3.0	33.1 - 39.1	<b>35.9</b>	3.0	32.9 - 38.9	<b>35.9</b>	3.0	32.9 - 38.9
	RDW %	<b>15.0</b>	3.0	12.0 - 18.0	<b>14.5</b>	3.0	11.5 - 17.5	<b>13.5</b>	3.0	10.5 - 16.5
	PLT K/μL	<b>74</b>	20	54 - 94	<b>262</b>	40	222 - 302	<b>498</b>	45	453 - 543
	MPV fL	<b>8.0</b>	2.0	6.0 - 10.0	<b>7.5</b>	2.0	5.5 - 9.5	<b>7.4</b>	2.0	5.4 - 9.4
	Lym %	<b>53.5</b>	8.0	45.5 - 61.5	<b>28.5</b>	5.0	23.5 - 33.5	<b>11.0</b>	5.0	6.0 - 16.0
	Lym K/μL	<b>1.0</b>	0.4	0.6 - 1.4	<b>2.0</b>	0.4	1.6 - 2.4	<b>2.2</b>	1.0	1.2 - 3.2
	Mon %	<b>13.0</b>	6.0	7.0 - 19.0	<b>10.0</b>	6.0	4.0 - 16.0	<b>7.0</b>	4.0	3.0 - 11.0
	Mon K/μL	<b>0.2</b>	0.2	0.0 - 0.4	<b>0.7</b>	0.5	0.2 - 1.2	<b>1.4</b>	0.8	0.6 - 2.2
Gran %	<b>33.5</b>	7.0	26.5 - 40.5	<b>61.5</b>	6.0	55.5 - 67.5	<b>82.0</b>	7.0	75.0 - 89.0	
Gran K/μL	<b>0.6</b>	0.4	0.2 - 1.0	<b>4.4</b>	0.6	3.8 - 5.0	<b>16.2</b>	1.4	14.8 - 17.6	

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Parameter/Units	Low Abnormal Lot # <b>MX447L</b>			Normal Lot # <b>MX447N</b>			High Abnormal Lot # <b>MX447H</b>			
	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>7.5</b>	0.8	6.7 - 8.3	<b>20.4</b>	1.7	18.7 - 22.1
	RBC M/ $\mu$ L	<b>2.28</b>	0.17	2.11 - 2.45	<b>4.56</b>	0.26	4.30 - 4.82	<b>5.78</b>	0.32	5.46 - 6.10
	HGB g/dL	<b>6.1</b>	0.5	5.6 - 6.6	<b>13.4</b>	0.7	12.7 - 14.1	<b>18.1</b>	0.9	17.2 - 19.0
	HCT %	<b>16.4</b>	2.0	14.4 - 18.4	<b>36.9</b>	2.7	34.2 - 39.6	<b>51.4</b>	3.4	48.0 - 54.8
	MCV fL	<b>72</b>	4	68 - 76	<b>81</b>	4	77 - 85	<b>89</b>	4	85 - 93
	MCH pg	<b>26.8</b>	2.0	24.8 - 28.8	<b>29.4</b>	2.0	27.4 - 31.4	<b>31.3</b>	2.0	29.3 - 33.3
	MCHC g/dL	<b>37.2</b>	3.0	34.2 - 40.2	<b>36.3</b>	3.0	33.3 - 39.3	<b>35.2</b>	3.0	32.2 - 38.2
	RDW %	<b>15.0</b>	3.0	12.0 - 18.0	<b>15.5</b>	3.0	12.5 - 18.5	<b>15.0</b>	3.0	12.0 - 18.0
	PLT K/ $\mu$ L	<b>79</b>	22	57 - 101	<b>264</b>	40	224 - 304	<b>509</b>	65	444 - 574
	MPV fL	<b>8.4</b>	2.0	6.4 - 10.4	<b>7.5</b>	2.0	5.5 - 9.5	<b>7.4</b>	2.0	5.4 - 9.4
	Lym %	<b>61.0</b>	8.0	53.0 - 69.0	<b>35.0</b>	5.0	30.0 - 40.0	<b>15.0</b>	5.0	10.0 - 20.0
	Lym K/ $\mu$ L	<b>1.2</b>	0.4	0.8 - 1.6	<b>2.6</b>	0.4	2.2 - 3.0	<b>3.1</b>	1.0	2.1 - 4.1
	Mon %	<b>10.5</b>	6.0	4.5 - 16.5	<b>8.5</b>	6.0	2.5 - 14.5	<b>6.5</b>	4.0	2.5 - 10.5
	Mon K/ $\mu$ L	<b>0.2</b>	0.2	0.0 - 0.4	<b>0.6</b>	0.5	0.1 - 1.1	<b>1.3</b>	0.8	0.5 - 2.1
	Gran %	<b>28.5</b>	7.0	21.5 - 35.5	<b>56.5</b>	6.0	50.5 - 62.5	<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>4.2</b>	0.6	3.6 - 4.8	<b>16.0</b>	1.4	14.6 - 17.4	
CENTRIFUGED MICROHEMATOCRIT	Spun HCT %	<b>15.0</b>	2.2	12.8 - 17.2	<b>34.5</b>	3.0	31.5 - 37.5	<b>48.0</b>	4.0	44.0 - 52.0

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