

# MINOTROL-16™

## Hematology Reference Control

9755 Research Drive  
Irvine, California 92618  
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Lot No.: **MX441**  
Exp. Date: **2023-07-05** (Y/M/D)

	Parameter/Units	Low Abnormal Lot # <b>MX441L</b>			Normal Lot # <b>MX441N</b>			High Abnormal Lot # <b>MX441H</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>19.6</b>	1.7	17.9 - 21.3
	RBC M/μL	<b>2.29</b>	0.17	2.12 - 2.46	<b>4.51</b>	0.26	4.25 - 4.77	<b>5.59</b>	0.32	5.27 - 5.91
	HGB g/dL	<b>6.1</b>	0.5	5.6 - 6.6	<b>13.5</b>	0.7	12.8 - 14.2	<b>17.9</b>	0.9	17.0 - 18.8
	HCT %	<b>16.3</b>	2.0	14.3 - 18.3	<b>37.0</b>	2.7	34.3 - 39.7	<b>50.3</b>	3.4	46.9 - 53.7
	MCV fL	<b>71</b>	4	67 - 75	<b>82</b>	4	78 - 86	<b>90</b>	4	86 - 94
	MCH pg	<b>26.6</b>	2.0	24.6 - 28.6	<b>29.9</b>	2.0	27.9 - 31.9	<b>32.0</b>	2.0	30.0 - 34.0
	MCHC g/dL	<b>37.5</b>	3.0	34.5 - 40.5	<b>36.5</b>	3.0	33.5 - 39.5	<b>35.6</b>	3.0	32.6 - 38.6
	RDW %	<b>13.5</b>	3.0	10.5 - 16.5	<b>13.0</b>	3.0	10.0 - 16.0	<b>13.0</b>	3.0	10.0 - 16.0
	PLT K/μL	<b>80</b>	22	58 - 102	<b>260</b>	40	220 - 300	<b>520</b>	65	455 - 585
	MPV fL	<b>7.8</b>	2.0	5.8 - 9.8	<b>7.4</b>	2.0	5.4 - 9.4	<b>7.2</b>	2.0	5.2 - 9.2
	Lym %	<b>65.0</b>	8.0	57.0 - 73.0	<b>34.5</b>	5.0	29.5 - 39.5	<b>16.0</b>	5.0	11.0 - 21.0
	Lym K/μL	<b>1.3</b>	0.4	0.9 - 1.7	<b>2.6</b>	0.4	2.2 - 3.0	<b>3.1</b>	1.0	2.1 - 4.1
	Mon %	<b>9.5</b>	6.0	3.5 - 15.5	<b>7.5</b>	4.0	3.5 - 11.5	<b>5.0</b>	4.0	1.0 - 9.0
	Mon K/μL	<b>0.2</b>	0.2	0.0 - 0.4	<b>0.6</b>	0.3	0.3 - 0.9	<b>1.0</b>	0.8	0.2 - 1.8
Gran %	<b>25.5</b>	7.0	18.5 - 32.5	<b>58.0</b>	6.0	52.0 - 64.0	<b>79.0</b>	7.0	72.0 - 86.0	
Gran K/μL	<b>0.5</b>	0.4	0.1 - 0.9	<b>4.4</b>	0.6	3.8 - 5.0	<b>15.5</b>	1.4	14.1 - 16.9	
ABX MICROS ESV 60	WBC K/μL	<b>1.8</b>	0.4	1.4 - 2.2	<b>7.2</b>	0.8	6.4 - 8.0	<b>19.0</b>	1.6	17.4 - 20.6
	RBC M/μL	<b>2.31</b>	0.15	2.16 - 2.46	<b>4.53</b>	0.18	4.35 - 4.71	<b>5.58</b>	0.20	5.38 - 5.78
	HGB g/dL	<b>6.0</b>	0.4	5.6 - 6.4	<b>13.3</b>	0.5	12.8 - 13.8	<b>17.8</b>	0.6	17.2 - 18.4
	HCT %	<b>16.4</b>	2.0	14.4 - 18.4	<b>37.1</b>	2.5	34.6 - 39.6	<b>49.7</b>	3.0	46.7 - 52.7
	MCV fL	<b>71</b>	4	67 - 75	<b>82</b>	4	78 - 86	<b>89</b>	4	85 - 93
	MCH pg	<b>26.0</b>	2.0	24.0 - 28.0	<b>29.4</b>	2.0	27.4 - 31.4	<b>31.9</b>	2.0	29.9 - 33.9
	MCHC g/dL	<b>36.6</b>	3.0	33.6 - 39.6	<b>35.8</b>	3.0	32.8 - 38.8	<b>35.8</b>	3.0	32.8 - 38.8
	RDW %	<b>14.5</b>	3.0	11.5 - 17.5	<b>15.0</b>	3.0	12.0 - 18.0	<b>13.5</b>	3.0	10.5 - 16.5
	PLT K/μL	<b>72</b>	20	52 - 92	<b>252</b>	40	212 - 292	<b>526</b>	45	481 - 571
	MPV fL	<b>9.0</b>	2.0	7.0 - 11.0	<b>8.6</b>	2.0	6.6 - 10.6	<b>8.3</b>	2.0	6.3 - 10.3
	Lym %	<b>56.0</b>	8.0	48.0 - 64.0	<b>28.0</b>	5.0	23.0 - 33.0	<b>12.5</b>	5.0	7.5 - 17.5
	Lym K/μL	<b>1.0</b>	0.4	0.6 - 1.4	<b>2.0</b>	0.4	1.6 - 2.4	<b>2.4</b>	1.0	1.4 - 3.4
	Mon %	<b>12.0</b>	6.0	6.0 - 18.0	<b>9.5</b>	4.0	5.5 - 13.5	<b>5.0</b>	4.0	1.0 - 9.0
	Mon K/μL	<b>0.2</b>	0.2	0.0 - 0.4	<b>0.7</b>	0.3	0.4 - 1.0	<b>1.0</b>	0.8	0.2 - 1.8
Gran %	<b>32.0</b>	7.0	25.0 - 39.0	<b>62.5</b>	6.0	56.5 - 68.5	<b>82.5</b>	7.0	75.5 - 89.5	
Gran K/μL	<b>0.6</b>	0.4	0.2 - 1.0	<b>4.5</b>	0.6	3.9 - 5.1	<b>15.7</b>	1.4	14.3 - 17.1	

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Parameter/Units	Low Abnormal Lot # <b>MX441L</b>			Normal Lot # <b>MX441N</b>			High Abnormal Lot # <b>MX441H</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>19.3</b>	1.7	17.6 - 21.0
	RBC M/ $\mu$ L	<b>2.31</b>	0.17	2.14 - 2.48	<b>4.49</b>	0.26	4.23 - 4.75	<b>5.54</b>	0.32	5.22 - 5.86
	HGB g/dL	<b>6.1</b>	0.5	5.6 - 6.6	<b>13.5</b>	0.7	12.8 - 14.2	<b>17.7</b>	0.9	16.8 - 18.6
	HCT %	<b>16.4</b>	2.0	14.4 - 18.4	<b>36.8</b>	2.7	34.1 - 39.5	<b>49.9</b>	3.4	46.5 - 53.3
	MCV fL	<b>71</b>	4	67 - 75	<b>82</b>	4	78 - 86	<b>90</b>	4	86 - 94
	MCH pg	<b>26.4</b>	2.0	24.4 - 28.4	<b>30.1</b>	2.0	28.1 - 32.1	<b>31.9</b>	2.0	29.9 - 33.9
	MCHC g/dL	<b>37.2</b>	3.0	34.2 - 40.2	<b>36.7</b>	3.0	33.7 - 39.7	<b>35.5</b>	3.0	32.5 - 38.5
	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/ $\mu$ L	<b>77</b>	22	55 - 99	<b>265</b>	40	225 - 305	<b>526</b>	65	461 - 591
	MPV fL	<b>8.5</b>	2.0	6.5 - 10.5	<b>8.2</b>	2.0	6.2 - 10.2	<b>8.0</b>	2.0	6.0 - 10.0
	Lym %	<b>64.0</b>	8.0	56.0 - 72.0	<b>33.5</b>	5.0	28.5 - 38.5	<b>16.0</b>	5.0	11.0 - 21.0
	Lym K/ $\mu$ L	<b>1.3</b>	0.4	0.9 - 1.7	<b>2.5</b>	0.4	2.1 - 2.9	<b>3.1</b>	1.0	2.1 - 4.1
	Mon %	<b>9.5</b>	6.0	3.5 - 15.5	<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>1.0</b>	0.8	0.2 - 1.8
	Gran %	<b>26.5</b>	7.0	19.5 - 33.5	<b>59.0</b>	6.0	53.0 - 65.0	<b>79.0</b>	7.0	72.0 - 86.0
Gran K/ $\mu$ L	<b>0.5</b>	0.4	0.1 - 0.9	<b>4.4</b>	0.6	3.8 - 5.0	<b>15.3</b>	1.4	13.9 - 16.7	
CENTRIFUGED MICROHEMATOCRIT	Spun HCT %	<b>15.0</b>	2.2	12.8 - 17.2	<b>34.4</b>	3.0	31.4 - 37.4	<b>47.0</b>	4.0	43.0 - 51.0

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

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