

# MINOTROL-16™

## Hematology Reference Control

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Lot No.: **MX416**  
Exp. Date: **2019-05-05** (Y/M/D)

	Parameter/Units	Low Abnormal Lot # <b>MX416L</b>			Normal Lot # <b>MX416N</b>			High Abnormal Lot # <b>MX416H</b>		
		Assay	Range	Limits	Assay	Range	Limits	Assay	Range	Limits
ABX MICROS 60 ADVIA® 60	WBC K/μL	<b>2.1</b>	0.4	1.7 - 2.5	<b>8.0</b>	0.8	7.2 - 8.8	<b>20.6</b>	1.6	19.0 - 22.2
	RBC M/μL	<b>2.37</b>	0.15	2.22 - 2.52	<b>4.68</b>	0.18	4.50 - 4.86	<b>5.68</b>	0.20	5.48 - 5.88
	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>16.6</b>	2.0	14.6 - 18.6	<b>37.4</b>	2.5	34.9 - 39.9	<b>50.6</b>	3.0	47.6 - 53.6
	MCV fL	<b>70</b>	4	66 - 74	<b>80</b>	4	76 - 84	<b>89</b>	4	85 - 93
	MCH pg	<b>25.7</b>	2.0	23.7 - 27.7	<b>29.1</b>	2.0	27.1 - 31.1	<b>32.4</b>	2.0	30.4 - 34.4
	MCHC g/dL	<b>36.8</b>	3.0	33.8 - 39.8	<b>36.3</b>	3.0	33.3 - 39.3	<b>36.4</b>	3.0	33.4 - 39.4
	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>85</b>	20	65 - 105	<b>265</b>	40	225 - 305	<b>535</b>	65	470 - 600
	MPV fL	<b>8.5</b>	2.0	6.5 - 10.5	<b>8.3</b>	2.0	6.3 - 10.3	<b>7.7</b>	2.0	5.7 - 9.7
	Lym %	<b>63.0</b>	9.0	54.0 - 72.0	<b>35.0</b>	5.0	30.0 - 40.0	<b>16.0</b>	5.0	11.0 - 21.0
	Lym K/μL	<b>1.3</b>	0.4	0.9 - 1.7	<b>2.8</b>	0.4	2.4 - 3.2	<b>3.3</b>	1.0	2.3 - 4.3
	Mon %	<b>10.0</b>	7.0	3.0 - 17.0	<b>7.0</b>	4.0	3.0 - 11.0	<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>27.0</b>	8.0	19.0 - 35.0	<b>58.0</b>	6.0	52.0 - 64.0	<b>80.0</b>	7.0	73.0 - 87.0
Gran K/μL	<b>0.6</b>	0.4	0.2 - 1.0	<b>4.6</b>	0.6	4.0 - 5.2	<b>16.5</b>	1.4	15.1 - 17.9	
ABX MICROS 45 ABC VET 45	WBC K/μL	<b>2.1</b>	0.4	1.7 - 2.5	<b>7.8</b>	0.8	7.0 - 8.6	<b>20.1</b>	1.6	18.5 - 21.7
	RBC M/μL	<b>2.36</b>	0.15	2.21 - 2.51	<b>4.63</b>	0.18	4.45 - 4.81	<b>5.62</b>	0.20	5.42 - 5.82
	HGB g/dL	<b>6.1</b>	0.4	5.7 - 6.5	<b>13.5</b>	0.5	13.0 - 14.0	<b>17.9</b>	0.6	17.3 - 18.5
	HCT %	<b>16.5</b>	2.0	14.5 - 18.5	<b>37.0</b>	2.5	34.5 - 39.5	<b>49.5</b>	3.0	46.5 - 52.5
	MCV fL	<b>70</b>	4	66 - 74	<b>80</b>	4	76 - 84	<b>88</b>	4	84 - 92
	MCH pg	<b>25.8</b>	2.0	23.8 - 27.8	<b>29.2</b>	2.0	27.2 - 31.2	<b>31.9</b>	2.0	29.9 - 33.9
	MCHC g/dL	<b>36.9</b>	3.0	33.9 - 39.9	<b>36.4</b>	3.0	33.4 - 39.4	<b>36.2</b>	3.0	33.2 - 39.2
	RDW %	<b>14.5</b>	3.0	11.5 - 17.5	<b>14.0</b>	3.0	11.0 - 17.0	<b>13.5</b>	3.0	10.5 - 16.5
	PLT K/μL	<b>80</b>	20	60 - 100	<b>269</b>	40	229 - 309	<b>544</b>	65	479 - 609
	MPV fL	<b>9.5</b>	2.0	7.5 - 11.5	<b>9.1</b>	2.0	7.1 - 11.1	<b>8.7</b>	2.0	6.7 - 10.7
	Lym %	<b>51.0</b>	9.0	42.0 - 60.0	<b>29.0</b>	5.0	24.0 - 34.0	<b>12.5</b>	5.0	7.5 - 17.5
	Lym K/μL	<b>1.1</b>	0.4	0.7 - 1.5	<b>2.3</b>	0.4	1.9 - 2.7	<b>2.5</b>	1.0	1.5 - 3.5
	Mon %	<b>16.0</b>	7.0	9.0 - 23.0	<b>8.0</b>	4.0	4.0 - 12.0	<b>4.0</b>	4.0	0.0 - 8.0
	Mon K/μL	<b>0.3</b>	0.2	0.1 - 0.5	<b>0.6</b>	0.3	0.3 - 0.9	<b>0.8</b>	0.8	0.0 - 1.6
	Gran %	<b>33.0</b>	8.0	25.0 - 41.0	<b>63.0</b>	6.0	57.0 - 69.0	<b>83.5</b>	7.0	76.5 - 90.5
Gran K/μL	<b>0.7</b>	0.4	0.3 - 1.1	<b>4.9</b>	0.6	4.3 - 5.5	<b>16.8</b>	1.4	15.4 - 18.2	

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	Parameter/Units	Low Abnormal Lot # <b>MX416L</b>			Normal Lot # <b>MX416N</b>			High Abnormal Lot # <b>MX416H</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>7.8</b>	0.8	7.0 - 8.6	<b>20.2</b>	1.6	18.6 - 21.8
	RBC M/ $\mu$ L	<b>2.34</b>	0.15	2.19 - 2.49	<b>4.62</b>	0.18	4.44 - 4.80	<b>5.65</b>	0.20	5.45 - 5.85
	HGB g/dL	<b>6.1</b>	0.4	5.7 - 6.5	<b>13.4</b>	0.5	12.9 - 13.9	<b>17.9</b>	0.6	17.3 - 18.5
	HCT %	<b>16.1</b>	2.0	14.1 - 18.1	<b>37.0</b>	2.5	34.5 - 39.5	<b>49.7</b>	3.0	46.7 - 52.7
	MCV fL	<b>69</b>	4	65 - 73	<b>80</b>	4	76 - 84	<b>88</b>	4	84 - 92
	MCH pg	<b>26.1</b>	2.0	24.1 - 28.1	<b>29.0</b>	2.0	27.0 - 31.0	<b>31.7</b>	2.0	29.7 - 33.7
	MCHC g/dL	<b>37.8</b>	3.0	34.8 - 40.8	<b>36.3</b>	3.0	33.3 - 39.3	<b>36.0</b>	3.0	33.0 - 39.0
	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>83</b>	20	63 - 103	<b>263</b>	40	223 - 303	<b>530</b>	65	465 - 595
	MPV fL	<b>9.7</b>	2.0	7.7 - 11.7	<b>8.9</b>	2.0	6.9 - 10.9	<b>8.4</b>	2.0	6.4 - 10.4
	Lym %	<b>63.5</b>	9.0	54.5 - 72.5	<b>36.0</b>	5.0	31.0 - 41.0	<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>2.8</b>	0.4	2.4 - 3.2	<b>3.3</b>	1.0	2.3 - 4.3
	Mon %	<b>10.5</b>	7.0	3.5 - 17.5	<b>6.5</b>	4.0	2.5 - 10.5	<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>0.5</b>	0.3	0.2 - 0.8	<b>0.9</b>	0.8	0.1 - 1.7
	Gran %	<b>26.0</b>	8.0	18.0 - 34.0	<b>57.5</b>	6.0	51.5 - 63.5	<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>4.5</b>	0.6	3.9 - 5.1	<b>16.0</b>	1.4	14.6 - 17.4	
ABX PENTRA 120	WBC K/ $\mu$ L	<b>2.2</b>	0.4	1.8 - 2.6	<b>8.5</b>	0.8	7.7 - 9.3	<b>22.2</b>	1.6	20.6 - 23.8
	RBC M/ $\mu$ L	<b>2.40</b>	0.15	2.25 - 2.55	<b>4.72</b>	0.18	4.54 - 4.90	<b>5.73</b>	0.20	5.53 - 5.93
	HGB g/dL	<b>6.0</b>	0.4	5.6 - 6.4	<b>13.6</b>	0.5	13.1 - 14.1	<b>18.1</b>	0.6	17.5 - 18.7
	HCT %	<b>16.8</b>	2.0	14.8 - 18.8	<b>37.3</b>	2.5	34.8 - 39.8	<b>48.7</b>	3.0	45.7 - 51.7
	MCV fL	<b>70</b>	4	66 - 74	<b>79</b>	4	75 - 83	<b>85</b>	4	81 - 89
	MCH pg	<b>25.0</b>	2.0	23.0 - 27.0	<b>28.8</b>	2.0	26.8 - 30.8	<b>31.6</b>	2.0	29.6 - 33.6
	MCHC g/dL	<b>35.7</b>	3.0	32.7 - 38.7	<b>36.5</b>	3.0	33.5 - 39.5	<b>37.2</b>	3.0	34.2 - 40.2
	RDW %	<b>18.0</b>	3.0	15.0 - 21.0	<b>18.0</b>	3.0	15.0 - 21.0	<b>16.0</b>	3.0	13.0 - 19.0
	PLT K/ $\mu$ L	<b>79</b>	20	59 - 99	<b>268</b>	40	228 - 308	<b>545</b>	65	480 - 610
	MPV fL	<b>10.4</b>	2.0	8.4 - 12.4	<b>10.0</b>	2.0	8.0 - 12.0	<b>9.2</b>	2.0	7.2 - 11.2
CENTRIFUGED MICROHEMATOCRIT	Spun HCT %	<b>15.5</b>	2.2	13.3 - 17.7	<b>35.0</b>	3.0	32.0 - 38.0	<b>47.0</b>	4.0	43.0 - 51.0

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