

# MINOTROL-16™

## Hematology Reference Control

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Lot No.: **MX414**  
Exp. Date: **2019-01-05** (Y/M/D)

	Parameter/Units	Low Abnormal Lot # <b>MX414L</b>			Normal Lot # <b>MX414N</b>			High Abnormal Lot # <b>MX414H</b>		
		Assay	Range	Limits	Assay	Range	Limits	Assay	Range	Limits
ABX MICROS 60 ADVIA® 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>20.6</b>	1.6	19.0 - 22.2
	RBC M/ $\mu$ L	<b>2.35</b>	0.15	2.20 - 2.50	<b>4.60</b>	0.18	4.42 - 4.78	<b>5.68</b>	0.20	5.48 - 5.88
	HGB g/dL	<b>6.1</b>	0.4	5.7 - 6.5	<b>13.5</b>	0.6	12.9 - 14.1	<b>18.3</b>	0.7	17.6 - 19.0
	HCT %	<b>16.5</b>	2.0	14.5 - 18.5	<b>36.8</b>	2.5	34.3 - 39.3	<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>26.0</b>	2.0	24.0 - 28.0	<b>29.3</b>	2.0	27.3 - 31.3	<b>32.2</b>	2.0	30.2 - 34.2
	MCHC g/dL	<b>37.1</b>	3.0	34.1 - 40.1	<b>36.7</b>	3.0	33.7 - 39.7	<b>36.2</b>	3.0	33.2 - 39.2
	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/ $\mu$ L	<b>78</b>	20	58 - 98	<b>255</b>	40	215 - 295	<b>476</b>	65	411 - 541
	MPV fL	<b>8.0</b>	2.0	6.0 - 10.0	<b>7.5</b>	2.0	5.5 - 9.5	<b>7.5</b>	2.0	5.5 - 9.5
	Lym %	<b>63.0</b>	8.0	55.0 - 71.0	<b>33.5</b>	5.0	28.5 - 38.5	<b>15.0</b>	5.0	10.0 - 20.0
	Lym K/ $\mu$ L	<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>10.0</b>	6.0	4.0 - 16.0	<b>8.0</b>	4.0	4.0 - 12.0	<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>27.0</b>	7.0	20.0 - 34.0	<b>58.5</b>	6.0	52.5 - 64.5	<b>80.0</b>	7.0	73.0 - 87.0
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>16.5</b>	1.4	15.1 - 17.9	
ABX MICROS 45 ABC VET 45	WBC K/ $\mu$ L	<b>2.1</b>	0.4	1.7 - 2.5	<b>7.5</b>	0.8	6.7 - 8.3	<b>20.2</b>	1.6	18.6 - 21.8
	RBC M/ $\mu$ L	<b>2.38</b>	0.15	2.23 - 2.53	<b>4.61</b>	0.18	4.43 - 4.79	<b>5.68</b>	0.20	5.48 - 5.88
	HGB g/dL	<b>6.1</b>	0.4	5.7 - 6.5	<b>13.5</b>	0.5	13.0 - 14.0	<b>18.3</b>	0.6	17.7 - 18.9
	HCT %	<b>16.7</b>	2.0	14.7 - 18.7	<b>37.3</b>	2.5	34.8 - 39.8	<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>25.6</b>	2.0	23.6 - 27.6	<b>29.3</b>	2.0	27.3 - 31.3	<b>32.2</b>	2.0	30.2 - 34.2
	MCHC g/dL	<b>36.6</b>	3.0	33.6 - 39.6	<b>36.2</b>	3.0	33.2 - 39.2	<b>36.2</b>	3.0	33.2 - 39.2
	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>78</b>	20	58 - 98	<b>256</b>	40	216 - 296	<b>480</b>	65	415 - 545
	MPV fL	<b>9.1</b>	2.0	7.1 - 11.1	<b>8.8</b>	2.0	6.8 - 10.8	<b>8.8</b>	2.0	6.8 - 10.8
	Lym %	<b>51.0</b>	8.0	43.0 - 59.0	<b>26.5</b>	5.0	21.5 - 31.5	<b>11.5</b>	5.0	6.5 - 16.5
	Lym K/ $\mu$ L	<b>1.1</b>	0.4	0.7 - 1.5	<b>2.0</b>	0.4	1.6 - 2.4	<b>2.3</b>	1.0	1.3 - 3.3
	Mon %	<b>17.0</b>	6.0	11.0 - 23.0	<b>10.0</b>	4.0	6.0 - 14.0	<b>5.0</b>	4.0	1.0 - 9.0
	Mon K/ $\mu$ L	<b>0.4</b>	0.2	0.2 - 0.6	<b>0.8</b>	0.3	0.5 - 1.1	<b>1.0</b>	0.8	0.2 - 1.8
	Gran %	<b>32.0</b>	7.0	25.0 - 39.0	<b>63.5</b>	6.0	57.5 - 69.5	<b>83.5</b>	7.0	76.5 - 90.5
Gran K/ $\mu$ L	<b>0.7</b>	0.4	0.3 - 1.1	<b>4.8</b>	0.6	4.2 - 5.4	<b>16.9</b>	1.4	15.5 - 18.3	

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	Parameter/Units	Low Abnormal Lot # <b>MX414L</b>			Normal Lot # <b>MX414N</b>			High Abnormal Lot # <b>MX414H</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>7.6</b>	0.8	6.8 - 8.4	<b>20.3</b>	1.6	18.7 - 21.9
	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>5.69</b>	0.20	5.49 - 5.89
	HGB g/dL	<b>6.0</b>	0.4	5.6 - 6.4	<b>13.3</b>	0.5	12.8 - 13.8	<b>17.9</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>50.6</b>	3.0	47.6 - 53.6
	MCV fL	<b>69</b>	4	65 - 73	<b>80</b>	4	76 - 84	<b>89</b>	4	85 - 93
	MCH pg	<b>25.6</b>	2.0	23.6 - 27.6	<b>28.8</b>	2.0	26.8 - 30.8	<b>31.5</b>	2.0	29.5 - 33.5
	MCHC g/dL	<b>37.2</b>	3.0	34.2 - 40.2	<b>36.0</b>	3.0	33.0 - 39.0	<b>35.3</b>	3.0	32.3 - 38.3
	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>78</b>	20	58 - 98	<b>260</b>	40	220 - 300	<b>488</b>	65	423 - 553
	MPV fL	<b>9.1</b>	2.0	7.1 - 11.1	<b>8.3</b>	2.0	6.3 - 10.3	<b>8.2</b>	2.0	6.2 - 10.2
	Lym %	<b>65.0</b>	8.0	57.0 - 73.0	<b>35.0</b>	5.0	30.0 - 40.0	<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>3.4</b>	1.0	2.4 - 4.4
	Mon %	<b>8.5</b>	6.0	2.5 - 14.5	<b>7.5</b>	4.0	3.5 - 11.5	<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>	0.3	0.3 - 0.9	<b>1.3</b>	0.8	0.5 - 2.1
	Gran %	<b>26.5</b>	7.0	19.5 - 33.5	<b>57.5</b>	6.0	51.5 - 63.5	<b>77.0</b>	7.0	70.0 - 84.0
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>15.6</b>	1.4	14.2 - 17.0	
ABX PENTRA 120	WBC K/ $\mu$ L	<b>2.1</b>	0.4	1.7 - 2.5	<b>8.2</b>	0.8	7.4 - 9.0	<b>21.7</b>	1.6	20.1 - 23.3
	RBC M/ $\mu$ L	<b>2.37</b>	0.15	2.22 - 2.52	<b>4.64</b>	0.18	4.46 - 4.82	<b>5.71</b>	0.20	5.51 - 5.91
	HGB g/dL	<b>6.0</b>	0.4	5.6 - 6.4	<b>13.5</b>	0.5	13.0 - 14.0	<b>18.3</b>	0.6	17.7 - 18.9
	HCT %	<b>16.6</b>	2.0	14.6 - 18.6	<b>36.7</b>	2.5	34.2 - 39.2	<b>49.1</b>	3.0	46.1 - 52.1
	MCV fL	<b>70</b>	4	66 - 74	<b>79</b>	4	75 - 83	<b>86</b>	4	82 - 90
	MCH pg	<b>25.3</b>	2.0	23.3 - 27.3	<b>29.1</b>	2.0	27.1 - 31.1	<b>32.0</b>	2.0	30.0 - 34.0
	MCHC g/dL	<b>36.2</b>	3.0	33.2 - 39.2	<b>36.8</b>	3.0	33.8 - 39.8	<b>37.3</b>	3.0	34.3 - 40.3
	RDW %	<b>18.0</b>	3.0	15.0 - 21.0	<b>17.5</b>	3.0	14.5 - 20.5	<b>16.0</b>	3.0	13.0 - 19.0
	PLT K/ $\mu$ L	<b>73</b>	20	53 - 93	<b>260</b>	40	220 - 300	<b>486</b>	65	421 - 551
	MPV fL	<b>9.8</b>	2.0	7.8 - 11.8	<b>9.2</b>	2.0	7.2 - 11.2	<b>9.1</b>	2.0	7.1 - 11.1
CENTRIFUGED MICROHEMATOCRIT	Spun HCT %	<b>15.0</b>	2.2	12.8 - 17.2	<b>34.0</b>	3.0	31.0 - 37.0	<b>47.5</b>	4.0	43.5 - 51.5

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