

# MINOTROL-16™

## Hematology Reference Control

9755 Research Drive  
Irvine, California 92618  
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Lot No.: **MX431**  
Exp. Date: **2021-11-05** (Y/M/D)

Parameter/Units	Low Abnormal Lot # <b>MX431L</b>			Normal Lot # <b>MX431N</b>			High Abnormal Lot # <b>MX431H</b>			
	Assay	Range	Limits	Assay	Range	Limits	Assay	Range	Limits	
ABX MICROS 60 ADVIA® 60	WBC K/μL	<b>2.2</b>	0.4	1.8 - 2.6	<b>7.9</b>	0.8	7.1 - 8.7	<b>20.3</b>	1.6	18.7 - 21.9
	RBC M/μL	<b>2.27</b>	0.15	2.12 - 2.42	<b>4.58</b>	0.18	4.40 - 4.76	<b>5.84</b>	0.20	5.64 - 6.04
	HGB g/dL	<b>6.0</b>	0.4	5.6 - 6.4	<b>13.7</b>	0.6	13.1 - 14.3	<b>18.4</b>	0.7	17.7 - 19.1
	HCT %	<b>16.1</b>	2.0	14.1 - 18.1	<b>37.6</b>	2.5	35.1 - 40.1	<b>51.4</b>	3.0	48.4 - 54.4
	MCV fL	<b>71</b>	4	67 - 75	<b>82</b>	4	78 - 86	<b>88</b>	4	84 - 92
	MCH pg	<b>26.4</b>	2.0	24.4 - 28.4	<b>29.9</b>	2.0	27.9 - 31.9	<b>31.5</b>	2.0	29.5 - 33.5
	MCHC g/dL	<b>37.2</b>	3.0	34.2 - 40.2	<b>36.5</b>	3.0	33.5 - 39.5	<b>35.8</b>	3.0	32.8 - 38.8
	RDW %	<b>13.0</b>	3.0	10.0 - 16.0	<b>12.5</b>	3.0	9.5 - 15.5	<b>12.5</b>	3.0	9.5 - 15.5
	PLT K/μL	<b>77</b>	20	57 - 97	<b>266</b>	40	226 - 306	<b>497</b>	65	432 - 562
	MPV fL	<b>8.5</b>	2.0	6.5 - 10.5	<b>8.0</b>	2.0	6.0 - 10.0	<b>7.8</b>	2.0	5.8 - 9.8
	Lym %	<b>65.0</b>	8.0	57.0 - 73.0	<b>33.5</b>	5.0	28.5 - 38.5	<b>15.0</b>	5.0	10.0 - 20.0
	Lym K/μL	<b>1.4</b>	0.4	1.0 - 1.8	<b>2.7</b>	0.4	2.3 - 3.1	<b>3.1</b>	1.0	2.1 - 4.1
	Mon %	<b>8.5</b>	6.0	2.5 - 14.5	<b>7.5</b>	4.0	3.5 - 11.5	<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>26.5</b>	7.0	19.5 - 33.5	<b>59.0</b>	6.0	53.0 - 65.0	<b>80.5</b>	7.0	73.5 - 87.5	
Gran K/μL	<b>0.6</b>	0.4	0.2 - 1.0	<b>4.7</b>	0.6	4.1 - 5.3	<b>16.3</b>	1.4	14.9 - 17.7	
ABX MICROS ESV 60	WBC K/μL	<b>2.0</b>	0.4	1.6 - 2.4	<b>7.4</b>	0.8	6.6 - 8.2	<b>19.2</b>	1.6	17.6 - 20.8
	RBC M/μL	<b>2.25</b>	0.15	2.10 - 2.40	<b>4.56</b>	0.18	4.38 - 4.74	<b>5.86</b>	0.20	5.66 - 6.06
	HGB g/dL	<b>5.8</b>	0.4	5.4 - 6.2	<b>13.4</b>	0.5	12.9 - 13.9	<b>18.2</b>	0.6	17.6 - 18.8
	HCT %	<b>16.0</b>	2.0	14.0 - 18.0	<b>36.9</b>	2.5	34.4 - 39.4	<b>51.0</b>	3.0	48.0 - 54.0
	MCV fL	<b>71</b>	4	67 - 75	<b>81</b>	4	77 - 85	<b>87</b>	4	83 - 91
	MCH pg	<b>25.8</b>	2.0	23.8 - 27.8	<b>29.4</b>	2.0	27.4 - 31.4	<b>31.1</b>	2.0	29.1 - 33.1
	MCHC g/dL	<b>36.3</b>	3.0	33.3 - 39.3	<b>36.3</b>	3.0	33.3 - 39.3	<b>35.7</b>	3.0	32.7 - 38.7
	RDW %	<b>15.0</b>	3.0	12.0 - 18.0	<b>14.0</b>	3.0	11.0 - 17.0	<b>14.0</b>	3.0	11.0 - 17.0
	PLT K/μL	<b>75</b>	20	55 - 95	<b>260</b>	40	220 - 300	<b>490</b>	65	425 - 555
	MPV fL	<b>9.1</b>	2.0	7.1 - 11.1	<b>9.0</b>	2.0	7.0 - 11.0	<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>11.5</b>	5.0	6.5 - 16.5
	Lym K/μL	<b>1.1</b>	0.4	0.7 - 1.5	<b>2.1</b>	0.4	1.7 - 2.5	<b>2.2</b>	1.0	1.2 - 3.2
	Mon %	<b>11.0</b>	6.0	5.0 - 17.0	<b>9.0</b>	4.0	5.0 - 13.0	<b>4.5</b>	4.0	0.5 - 8.5
	Mon K/μL	<b>0.2</b>	0.2	0.0 - 0.4	<b>0.7</b>	0.3	0.4 - 1.0	<b>0.9</b>	0.8	0.1 - 1.7
Gran %	<b>33.0</b>	7.0	26.0 - 40.0	<b>63.0</b>	6.0	57.0 - 69.0	<b>84.0</b>	7.0	77.0 - 91.0	
Gran K/μL	<b>0.7</b>	0.4	0.3 - 1.1	<b>4.7</b>	0.6	4.1 - 5.3	<b>16.1</b>	1.4	14.7 - 17.5	

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Parameter/Units	Low Abnormal Lot # <b>MX431L</b>			Normal Lot # <b>MX431N</b>			High Abnormal Lot # <b>MX431H</b>			
	Assay	Range	Limits	Assay	Range	Limits	Assay	Range	Limits	
ABX MICROS ES 60	WBC K/ $\mu$ L	<b>2.2</b>	0.4	1.8 - 2.6	<b>7.8</b>	0.8	7.0 - 8.6	<b>20.0</b>	1.6	18.4 - 21.6
	RBC M/ $\mu$ L	<b>2.27</b>	0.15	2.12 - 2.42	<b>4.55</b>	0.18	4.37 - 4.73	<b>5.80</b>	0.20	5.60 - 6.00
	HGB g/dL	<b>5.9</b>	0.4	5.5 - 6.3	<b>13.5</b>	0.5	13.0 - 14.0	<b>18.0</b>	0.6	17.4 - 18.6
	HCT %	<b>16.1</b>	2.0	14.1 - 18.1	<b>37.3</b>	2.5	34.8 - 39.8	<b>51.0</b>	3.0	48.0 - 54.0
	MCV fL	<b>71</b>	4	67 - 75	<b>82</b>	4	78 - 86	<b>88</b>	4	84 - 92
	MCH pg	<b>26.0</b>	2.0	24.0 - 28.0	<b>29.7</b>	2.0	27.7 - 31.7	<b>31.0</b>	2.0	29.0 - 33.0
	MCHC g/dL	<b>36.6</b>	3.0	33.6 - 39.6	<b>36.2</b>	3.0	33.2 - 39.2	<b>35.3</b>	3.0	32.3 - 38.3
	RDW %	<b>14.0</b>	3.0	11.0 - 17.0	<b>13.5</b>	3.0	10.5 - 16.5	<b>13.5</b>	3.0	10.5 - 16.5
	PLT K/ $\mu$ L	<b>79</b>	20	59 - 99	<b>266</b>	40	226 - 306	<b>508</b>	65	443 - 573
	MPV fL	<b>8.8</b>	2.0	6.8 - 10.8	<b>8.2</b>	2.0	6.2 - 10.2	<b>7.6</b>	2.0	5.6 - 9.6
	Lym %	<b>64.5</b>	8.0	56.5 - 72.5	<b>33.5</b>	5.0	28.5 - 38.5	<b>15.5</b>	5.0	10.5 - 20.5
	Lym K/ $\mu$ L	<b>1.4</b>	0.4	1.0 - 1.8	<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>8.0</b>	4.0	4.0 - 12.0	<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>0.6</b>	0.3	0.3 - 0.9	<b>0.9</b>	0.8	0.1 - 1.7
	Gran %	<b>26.5</b>	7.0	19.5 - 33.5	<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>16.0</b>	1.4	14.6 - 17.4	
CENTRIFUGED MICROHEMATOCRIT	Spun HCT %	<b>14.8</b>	2.2	12.6 - 17.0	<b>35.0</b>	3.0	32.0 - 38.0	<b>48.1</b>	4.0	44.1 - 52.1

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