


BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC407**
 **2014-09-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC407L	LOT	BC407N	LOT	BC407H	
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L		3.46 ± 0.50		8.08 ± 1.00		18.82 ± 2.50	
	Neu x 10 ⁹ /L		1.57 ± 0.30		4.31 ± 0.65		11.59 ± 1.52	
	Lym x 10 ⁹ /L		1.29 ± 0.32		2.33 ± 0.65		3.78 ± 1.32	
	Mon x 10 ⁹ /L		0.31 ± 0.21		0.78 ± 0.57		1.69 ± 1.32	
	Eos x 10 ⁹ /L		0.19 ± 0.14		0.56 ± 0.41		1.66 ± 1.32	
	Bas x 10 ⁹ /L		0.10 ± 0.10		0.10 ± 0.10		0.10 ± 0.10	
	Neu %		47.3 ± 9.0		53.6 ± 8.0		61.1 ± 8.0	
	Lym %		37.2 ± 9.0		28.8 ± 8.0		20.1 ± 7.0	
	Mon %		9.0 ± 6.0		9.7 ± 7.0		9.0 ± 7.0	
	Eos %		5.5 ± 4.0		6.9 ± 5.0		8.8 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.64 ± 0.18		4.77 ± 0.24		5.40 ± 0.30	
	HGB g/L		64 ± 4		133 ± 6		166 ± 8	
	HCT %		19.8 ± 1.5		40.8 ± 2.0		51.0 ± 2.4	
	MCV fL		74.9 ± 5.0		85.6 ± 5.0		94.5 ± 5.0	
	MCH pg		24.2 ± 2.5		27.9 ± 2.5		30.7 ± 2.5	
	MCHC g/L		324 ± 30		326 ± 30		325 ± 30	
	RDW-CV %		16.4 ± 3.0		14.7 ± 3.0		13.9 ± 3.0	
	RDW-SD fL		46.5 ± 8.0		48.1 ± 8.0		49.1 ± 8.0	
	PLT x 10 ⁹ /L		51 ± 20		270 ± 40		557 ± 60	
MPV fL		7.9 ± 3.0		8.5 ± 3.0		8.8 ± 3.0		
PCT % *		0.040 ± 0.040		0.230 ± 0.100		0.490 ± 0.200		
PDW fL *		16.4 ± 3.0		16.1 ± 3.0		16.1 ± 3.0		
P-LCC x 10 ⁹ /L		12 ± 9		72 ± 15		159 ± 25		
P-LCR %		24.4 ± 10.0		26.5 ± 10.0		28.6 ± 10.0		
BC-5500, BC-5200 QC Mode	WBC 10 ⁹ /L		3.45 ± 0.50		8.04 ± 1.00		18.39 ± 2.50	
	Neu x 10 ⁹ /L		1.51 ± 0.30		4.29 ± 0.65		11.17 ± 1.49	
	Lym x 10 ⁹ /L		1.31 ± 0.32		2.36 ± 0.65		3.79 ± 1.29	
	Mon x 10 ⁹ /L		0.32 ± 0.21		0.80 ± 0.56		1.77 ± 1.29	
	Eos x 10 ⁹ /L		0.21 ± 0.18		0.49 ± 0.41		1.56 ± 1.11	
	Bas x 10 ⁹ /L		0.10 ± 0.10		0.10 ± 0.10		0.10 ± 0.10	
	Neu %		45.8 ± 9.0		53.5 ± 8.0		60.3 ± 8.0	
	Lym %		38.0 ± 9.0		29.4 ± 8.0		20.6 ± 7.0	
	Mon %		9.2 ± 6.0		10.0 ± 7.0		9.6 ± 7.0	
	Eos %		6.0 ± 5.0		6.1 ± 5.0		8.5 ± 6.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.64 ± 0.18		4.64 ± 0.24		5.24 ± 0.30	
	HGB g/L		64 ± 4		134 ± 6		168 ± 8	
	HCT %		18.5 ± 1.5		38.0 ± 2.0		47.1 ± 2.4	
	MCV fL		70.2 ± 5.0		81.8 ± 5.0		89.8 ± 5.0	
	MCH pg		24.2 ± 2.5		28.9 ± 2.5		32.1 ± 2.5	
	MCHC g/L		345 ± 30		353 ± 30		357 ± 30	
	RDW-CV %		12.1 ± 3.0		11.6 ± 3.0		11.2 ± 3.0	
	RDW-SD fL		28.1 ± 8.0		34.3 ± 8.0		37.2 ± 8.0	
	PLT x 10 ⁹ /L		49 ± 20		258 ± 40		526 ± 60	
MPV fL		8.4 ± 3.0		9.2 ± 3.0		9.5 ± 3.0		
PCT % *		0.041 ± 0.041		0.237 ± 0.100		0.500 ± 0.200		
PDW fL *		16.4 ± 3.0		16.3 ± 3.0		16.4 ± 3.0		

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		LOT	BC407L	LOT	BC407N	LOT	BC407H	
BC-5300, BC-5100 QC Mode	WBC $10^9/L$		3.42 ± 0.50		8.04 ± 1.00		18.54 ± 2.50	
	Neu x $10^9/L$		1.70 ± 0.31		4.61 ± 0.65		11.96 ± 1.49	
	Lym x $10^9/L$		1.27 ± 0.31		2.23 ± 0.65		3.50 ± 1.30	
	Mon x $10^9/L$		0.26 ± 0.18		0.68 ± 0.48		1.43 ± 1.12	
	Eos x $10^9/L$		0.19 ± 0.14		0.52 ± 0.40		1.65 ± 1.30	
	Bas x $10^9/L$		1.84 ± 0.28		5.39 ± 0.65		14.20 ± 1.49	
	Neu %		49.9 ± 9.0		57.3 ± 8.0		64.5 ± 8.0	
	Lym %		37.1 ± 9.0		27.7 ± 8.0		18.9 ± 7.0	
	Mon %		7.5 ± 5.0		8.5 ± 6.0		7.7 ± 6.0	
	Eos %		5.5 ± 4.0		6.5 ± 5.0		8.9 ± 7.0	
	Bas %		53.9 ± 8.0		67.1 ± 8.0		76.6 ± 8.0	
	RBC x $10^{12}/L$		2.56 ± 0.18		4.64 ± 0.24		5.27 ± 0.30	
	HGB g/L		63 ± 4		133 ± 6		167 ± 8	
	HCT %		19.8 ± 1.5		41.2 ± 2.0		50.9 ± 2.4	
	MCV fL		77.4 ± 5.0		88.7 ± 5.0		96.5 ± 5.0	
	MCH pg		24.6 ± 2.5		28.7 ± 2.5		31.7 ± 2.5	
	MCHC g/L		318 ± 30		323 ± 30		328 ± 30	
	RDW-CV %		16.0 ± 3.0		14.8 ± 3.0		13.8 ± 3.0	
	RDW-SD fL		52.4 ± 8.0		56.3 ± 8.0		58.0 ± 8.0	
	PLT x $10^9/L$		42 ± 20		247 ± 40		514 ± 60	
MPV fL		8.6 ± 3.0		9.0 ± 3.0		9.2 ± 3.0		
PCT % *		0.036 ± 0.036		0.222 ± 0.100		0.473 ± 0.200		
PDW fL *		15.9 ± 3.0		16.1 ± 3.0		16.2 ± 3.0		
BC-5380, BC-5180 QC Mode	WBC $10^9/L$		3.39 ± 0.50		8.04 ± 1.00		18.28 ± 2.50	
	Neu x $10^9/L$		1.68 ± 0.31		4.65 ± 0.65		11.73 ± 1.47	
	Lym x $10^9/L$		1.28 ± 0.31		2.21 ± 0.65		3.49 ± 1.28	
	Mon x $10^9/L$		0.24 ± 0.18		0.66 ± 0.57		1.41 ± 1.10	
	Eos x $10^9/L$		0.19 ± 0.14		0.52 ± 0.40		1.65 ± 1.29	
	Bas x $10^9/L$		1.84 ± 0.28		5.48 ± 0.65		14.09 ± 1.47	
	Neu %		49.6 ± 9.0		57.8 ± 8.0		64.2 ± 8.0	
	Lym %		37.9 ± 9.0		27.5 ± 8.0		19.1 ± 7.0	
	Mon %		7.0 ± 5.0		8.2 ± 7.0		7.7 ± 6.0	
	Eos %		5.5 ± 4.0		6.5 ± 5.0		9.0 ± 7.0	
	Bas %		54.2 ± 8.0		68.1 ± 8.0		77.1 ± 8.0	
	RBC x $10^{12}/L$		2.60 ± 0.18		4.68 ± 0.24		5.26 ± 0.30	
	HGB g/L		63 ± 4		132 ± 6		165 ± 8	
	HCT %		20.1 ± 1.5		41.2 ± 2.0		50.5 ± 2.4	
	MCV fL		77.3 ± 5.0		88.1 ± 5.0		96.0 ± 5.0	
	MCH pg		24.2 ± 2.5		28.2 ± 2.5		31.4 ± 2.5	
	MCHC g/L		313 ± 30		320 ± 30		327 ± 30	
	RDW-CV %		15.2 ± 3.0		14.1 ± 3.0		13.2 ± 3.0	
	RDW-SD fL		52.5 ± 8.0		54.9 ± 8.0		56.1 ± 8.0	
	PLT x $10^9/L$		45 ± 20		249 ± 40		510 ± 60	
MPV fL		9.0 ± 3.0		9.2 ± 3.0		9.3 ± 3.0		
PCT % *		0.041 ± 0.041		0.229 ± 0.100		0.474 ± 0.200		
PDW fL *		16.0 ± 3.0		16.1 ± 3.0		16.2 ± 3.0		

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BC-5300Vet, BC-5100Vet QC Mode	WBC $10^9/L$		3.42 ± 0.50		8.04 ± 1.00		18.54 ± 2.50	
	Neu x $10^9/L$		1.70 ± 0.31		4.61 ± 0.65		11.96 ± 1.49	
	Lym x $10^9/L$		1.27 ± 0.31		2.23 ± 0.65		3.50 ± 1.30	
	Mon x $10^9/L$		0.26 ± 0.18		0.68 ± 0.48		1.43 ± 1.12	
	Eos x $10^9/L$		0.19 ± 0.14		0.52 ± 0.40		1.65 ± 1.30	
	Neu %		49.9 ± 9.0		57.3 ± 8.0		64.5 ± 8.0	
	Lym %		37.1 ± 9.0		27.7 ± 8.0		18.9 ± 7.0	
	Mon %		7.5 ± 5.0		8.5 ± 6.0		7.7 ± 6.0	
	Eos %		5.5 ± 4.0		6.5 ± 5.0		8.9 ± 7.0	
	RBC x $10^{12}/L$		2.56 ± 0.18		4.64 ± 0.24		5.27 ± 0.30	
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	PCT % *		0.036 ± 0.036		0.222 ± 0.100		0.473 ± 0.200	
PDW fL *		15.9 ± 3.0		16.1 ± 3.0		16.2 ± 3.0		

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