


BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT BC503
 2015-05-10

Instrument	Parameter	Low		Normal		High		+
		LOT	BC503L	LOT	BC503N	LOT	BC503H	
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L		3.45 ± 0.50		8.00 ± 1.00		18.70 ± 2.50	
	Neu x 10 ⁹ /L		1.74 ± 0.31		4.52 ± 0.64		11.78 ± 1.50	
	Lym x 10 ⁹ /L		1.31 ± 0.31		2.44 ± 0.64		3.83 ± 1.31	
	Mon x 10 ⁹ /L		0.19 ± 0.14		0.44 ± 0.32		1.22 ± 0.94	
	Eos x 10 ⁹ /L		0.17 ± 0.14		0.52 ± 0.40		1.68 ± 1.31	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.19 ± 0.19	
	Neu %		50.5 ± 9.0		56.5 ± 8.0		63.0 ± 8.0	
	Lym %		38.0 ± 9.0		30.5 ± 8.0		20.5 ± 7.0	
	Mon %		5.5 ± 4.0		5.5 ± 4.0		6.5 ± 5.0	
	Eos %		5.0 ± 4.0		6.5 ± 5.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.62 ± 0.18		4.72 ± 0.24		5.45 ± 0.30	
	HGB g/L		61 ± 4		134 ± 6		170 ± 8	
	HCT %		19.0 ± 1.5		41.1 ± 2.0		52.0 ± 2.4	
	MCV fL		72.5 ± 5.0		87.0 ± 5.0		95.5 ± 5.0	
	MCH pg		23.3 ± 2.5		28.4 ± 2.5		31.2 ± 2.5	
	MCHC g/L		321 ± 30		326 ± 30		327 ± 30	
	RDW-CV %		16.5 ± 3.0		15.0 ± 3.0		14.0 ± 3.0	
	RDW-SD fL		45.0 ± 8.0		49.5 ± 8.0		50.0 ± 8.0	
	PLT x 10 ⁹ /L		52 ± 20		265 ± 40		525 ± 60	
MPV fL		8.0 ± 3.0		8.3 ± 3.0		8.6 ± 3.0		
PCT % *		0.050 ± 0.050		0.220 ± 0.100		0.460 ± 0.200		
PDW fL *		16.7 ± 3.0		16.2 ± 3.0		16.1 ± 3.0		
P-LCC x 10 ⁹ /L		14 ± 9		68 ± 15		145 ± 25		
P-LCR %		25.0 ± 10.0		25.0 ± 10.0		27.0 ± 10.0		
BC-5500, BC-5200 QC Mode	WBC 10 ⁹ /L		3.35 ± 0.50		7.80 ± 1.00		18.20 ± 2.50	
	Neu x 10 ⁹ /L		1.62 ± 0.30		4.33 ± 0.62		11.28 ± 1.46	
	Lym x 10 ⁹ /L		1.31 ± 0.30		2.30 ± 0.62		3.73 ± 1.27	
	Mon x 10 ⁹ /L		0.22 ± 0.17		0.59 ± 0.47		1.37 ± 1.10	
	Eos x 10 ⁹ /L		0.17 ± 0.14		0.51 ± 0.39		1.64 ± 1.28	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.18 ± 0.18	
	Neu %		48.5 ± 9.0		55.5 ± 8.0		62.0 ± 8.0	
	Lym %		39.0 ± 9.0		29.5 ± 8.0		20.5 ± 7.0	
	Mon %		6.5 ± 5.0		7.5 ± 6.0		7.5 ± 6.0	
	Eos %		5.0 ± 4.0		6.5 ± 5.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.63 ± 0.18		4.69 ± 0.24		5.36 ± 0.30	
	HGB g/L		62 ± 4		136 ± 6		173 ± 8	
	HCT %		18.3 ± 1.5		39.2 ± 2.0		49.3 ± 2.4	
	MCV fL		69.5 ± 5.0		83.5 ± 5.0		92.0 ± 5.0	
	MCH pg		23.6 ± 2.5		29.0 ± 2.5		32.3 ± 2.5	
	MCHC g/L		339 ± 30		347 ± 30		351 ± 30	
	RDW-CV %		13.0 ± 3.0		12.5 ± 3.0		12.0 ± 3.0	
	RDW-SD fL		30.0 ± 8.0		37.0 ± 8.0		38.5 ± 8.0	
	PLT x 10 ⁹ /L		52 ± 20		254 ± 40		495 ± 60	
MPV fL		8.5 ± 3.0		8.7 ± 3.0		9.0 ± 3.0		
PCT % *		0.050 ± 0.050		0.230 ± 0.100		0.450 ± 0.200		
PDW fL *		16.5 ± 3.0		16.2 ± 3.0		16.4 ± 3.0		

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		LOT	BC503L	LOT	BC503N	LOT	BC503H	
BC-5300, BC-5100	WBC $10^9/L$		3.45 ± 0.50		8.00 ± 1.00		18.80 ± 2.50	
QC Mode	Neu x $10^9/L$		1.79 ± 0.31		4.64 ± 0.64		12.22 ± 1.50	
	Lym x $10^9/L$		1.35 ± 0.31		2.40 ± 0.64		3.67 ± 1.32	
	Mon x $10^9/L$		0.14 ± 0.14		0.36 ± 0.32		1.13 ± 0.75	
	Eos x $10^9/L$		0.17 ± 0.14		0.60 ± 0.48		1.79 ± 1.32	
	Bas x $10^9/L$		1.66 ± 0.28		4.98 ± 0.64		14.02 ± 1.50	
	Neu %		52.0 ± 9.0		58.0 ± 8.0		65.0 ± 8.0	
	Lym %		39.0 ± 9.0		30.0 ± 8.0		19.5 ± 7.0	
	Mon %		4.0 ± 4.0		4.5 ± 4.0		6.0 ± 4.0	
	Eos %		5.0 ± 4.0		7.5 ± 6.0		9.5 ± 7.0	
	Bas %		48.0 ± 8.0		62.2 ± 8.0		74.6 ± 8.0	
	RBC x $10^{12}/L$		2.52 ± 0.18		4.60 ± 0.24		5.35 ± 0.30	
	HGB g/L		61 ± 4		134 ± 6		171 ± 8	
	HCT %		19.4 ± 1.5		41.6 ± 2.0		53.5 ± 2.4	
	MCV fL		77.0 ± 5.0		90.5 ± 5.0		100.0 ± 5.0	
	MCH pg		24.2 ± 2.5		29.1 ± 2.5		32.0 ± 2.5	
	MCHC g/L		314 ± 30		322 ± 30		320 ± 30	
	RDW-CV %		16.0 ± 3.0		14.5 ± 3.0		14.0 ± 3.0	
	RDW-SD fL		52.5 ± 8.0		58.0 ± 8.0		60.5 ± 8.0	
	PLT x $10^9/L$		47 ± 20		245 ± 40		480 ± 60	
	MPV fL		9.0 ± 3.0		8.9 ± 3.0		8.9 ± 3.0	
	PCT % *		0.050 ± 0.050		0.215 ± 0.100		0.430 ± 0.200	
	PDW fL *		15.8 ± 3.0		16.1 ± 3.0		16.2 ± 3.0	
BC-5380, BC-5180	WBC $10^9/L$		3.40 ± 0.50		7.85 ± 1.00		18.35 ± 2.50	
QC Mode	Neu x $10^9/L$		1.79 ± 0.31		4.59 ± 0.63		11.74 ± 1.47	
	Lym x $10^9/L$		1.31 ± 0.31		2.36 ± 0.63		3.76 ± 1.28	
	Mon x $10^9/L$		0.14 ± 0.14		0.35 ± 0.31		1.10 ± 0.73	
	Eos x $10^9/L$		0.17 ± 0.14		0.55 ± 0.39		1.74 ± 1.28	
	Bas x $10^9/L$		1.67 ± 0.27		4.95 ± 0.63		13.78 ± 1.47	
	Neu %		52.5 ± 9.0		58.5 ± 8.0		64.0 ± 8.0	
	Lym %		38.5 ± 9.0		30.0 ± 8.0		20.5 ± 7.0	
	Mon %		4.0 ± 4.0		4.5 ± 4.0		6.0 ± 4.0	
	Eos %		5.0 ± 4.0		7.0 ± 5.0		9.5 ± 7.0	
	Bas %		49.1 ± 8.0		63.1 ± 8.0		75.1 ± 8.0	
	RBC x $10^{12}/L$		2.55 ± 0.18		4.60 ± 0.24		5.32 ± 0.30	
	HGB g/L		61 ± 4		133 ± 6		169 ± 8	
	HCT %		19.3 ± 1.5		41.2 ± 2.0		52.4 ± 2.4	
	MCV fL		75.5 ± 5.0		89.5 ± 5.0		98.5 ± 5.0	
	MCH pg		23.9 ± 2.5		28.9 ± 2.5		31.8 ± 2.5	
	MCHC g/L		317 ± 30		323 ± 30		323 ± 30	
	RDW-CV %		15.5 ± 3.0		14.0 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		51.0 ± 8.0		56.0 ± 8.0		58.0 ± 8.0	
	PLT x $10^9/L$		48 ± 20		245 ± 40		485 ± 60	
	MPV fL		8.3 ± 3.0		7.9 ± 3.0		8.0 ± 3.0	
	PCT % *		0.050 ± 0.050		0.195 ± 0.100		0.380 ± 0.200	
	PDW fL *		16.0 ± 3.0		16.1 ± 3.0		16.3 ± 3.0	

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Instrument	Parameter	Low	Normal	High	+++
		LOT BC503L	LOT BC503N	LOT BC503H	
BC-5300Vet, BC-5100Vet QC Mode	WBC $10^9/L$	3.45 ± 0.50	8.00 ± 1.00	18.80 ± 2.50	
	Neu x $10^9/L$	1.79 ± 0.31	4.64 ± 0.64	12.22 ± 1.50	
	Lym x $10^9/L$	1.35 ± 0.31	2.40 ± 0.64	3.67 ± 1.32	
	Mon x $10^9/L$	0.14 ± 0.14	0.36 ± 0.32	1.13 ± 0.75	
	Eos x $10^9/L$	0.17 ± 0.14	0.60 ± 0.48	1.79 ± 1.32	
	Neu %	52.0 ± 9.0	58.0 ± 8.0	65.0 ± 8.0	
	Lym %	39.0 ± 9.0	30.0 ± 8.0	19.5 ± 7.0	
	Mon %	4.0 ± 4.0	4.5 ± 4.0	6.0 ± 4.0	
	Eos %	5.0 ± 4.0	7.5 ± 6.0	9.5 ± 7.0	
	RBC x $10^{12}/L$	2.52 ± 0.18	4.60 ± 0.24	5.35 ± 0.30	
	HGB g/L	61 ± 4	134 ± 6	171 ± 8	
	HCT %	19.4 ± 1.5	41.6 ± 2.0	53.5 ± 2.4	
	MCV fL	77.0 ± 5.0	90.5 ± 5.0	100.0 ± 5.0	
	MCH pg	24.2 ± 2.5	29.1 ± 2.5	32.0 ± 2.5	
	MCHC g/L	314 ± 30	322 ± 30	320 ± 30	
	RDW-CV %	16.0 ± 3.0	14.5 ± 3.0	14.0 ± 3.0	
	RDW-SD fL	52.5 ± 8.0	58.0 ± 8.0	60.5 ± 8.0	
	PLT x $10^9/L$	47 ± 20	245 ± 40	480 ± 60	
	MPV fL	9.0 ± 3.0	8.9 ± 3.0	8.9 ± 3.0	
	PCT % *	0.050 ± 0.050	0.215 ± 0.100	0.430 ± 0.200	
PDW fL *	15.8 ± 3.0	16.1 ± 3.0	16.2 ± 3.0		

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