


BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC501
 **2015-03-10**

Instrument	Parameter	Low	Normal	High	+
		LOT BC501L	LOT BC501N	LOT BC501H	
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L	3.40 ± 0.50	7.90 ± 1.00	17.90 ± 2.50	
	Neu x 10 ⁹ /L	1.62 ± 0.35	4.35 ± 0.65	10.74 ± 1.45	
	Lym x 10 ⁹ /L	1.28 ± 0.35	2.17 ± 0.65	3.58 ± 1.30	
	Mon x 10 ⁹ /L	0.32 ± 0.25	0.71 ± 0.60	1.79 ± 1.45	
	Eos x 10 ⁹ /L	0.15 ± 0.15	0.59 ± 0.59	1.61 ± 1.61	
	Bas x 10 ⁹ /L	0.03 ± 0.03	0.08 ± 0.08	0.18 ± 0.18	
	Neu %	47.5 ± 9.0	55.0 ± 8.0	60.0 ± 8.0	
	Lym %	37.5 ± 9.0	27.5 ± 8.0	20.0 ± 7.0	
	Mon %	9.5 ± 7.0	9.0 ± 7.0	10.0 ± 8.0	
	Eos %	4.5 ± 4.5	7.5 ± 7.5	9.0 ± 9.0	
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0	
	RBC x 10 ¹² /L	2.52 ± 0.18	4.60 ± 0.24	5.26 ± 0.30	
	HGB g/L	63 ± 4	134 ± 6	166 ± 8	
	HCT %	19.3 ± 1.5	40.5 ± 2.0	50.5 ± 2.4	
	MCV fL	76.5 ± 5.0	88.0 ± 5.0	96.0 ± 5.0	
	MCH pg	25.0 ± 2.5	29.1 ± 2.5	31.6 ± 2.5	
	MCHC g/L	327 ± 30	331 ± 30	329 ± 30	
	RDW-CV %	16.5 ± 3.0	14.5 ± 3.0	14.0 ± 3.0	
	RDW-SD fL	46.5 ± 8.0	47.0 ± 8.0	50.5 ± 8.0	
	PLT x 10 ⁹ /L	55 ± 20	260 ± 40	525 ± 60	
	MPV fL	7.7 ± 3.0	8.3 ± 3.0	8.5 ± 3.0	
PCT % *	0.050 ± 0.050	0.220 ± 0.100	0.450 ± 0.200		
PDW fL *	16.4 ± 3.0	16.1 ± 3.0	16.0 ± 3.0		
P-LCC x 10 ⁹ /L	14 ± 9	64 ± 15	138 ± 25		
P-LCR %	24.0 ± 10.0	26.0 ± 10.0	27.0 ± 10.0		
BC-5500, BC-5200 QC Mode	WBC 10 ⁹ /L	3.40 ± 0.50	7.80 ± 1.00	17.60 ± 2.50	
	Neu x 10 ⁹ /L	1.58 ± 0.35	4.21 ± 0.65	10.47 ± 1.45	
	Lym x 10 ⁹ /L	1.29 ± 0.35	2.18 ± 0.65	3.61 ± 1.25	
	Mon x 10 ⁹ /L	0.34 ± 0.30	0.78 ± 0.65	1.76 ± 1.45	
	Eos x 10 ⁹ /L	0.15 ± 0.15	0.55 ± 0.55	1.58 ± 1.58	
	Bas x 10 ⁹ /L	0.03 ± 0.03	0.08 ± 0.08	0.18 ± 0.18	
	Neu %	46.5 ± 9.0	54.0 ± 8.0	59.5 ± 8.0	
	Lym %	38.0 ± 9.0	28.0 ± 8.0	20.5 ± 7.0	
	Mon %	10.0 ± 8.0	10.0 ± 8.0	10.0 ± 8.0	
	Eos %	4.5 ± 4.5	7.0 ± 7.0	9.0 ± 9.0	
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0	
	RBC x 10 ¹² /L	2.55 ± 0.18	4.51 ± 0.24	5.15 ± 0.30	
	HGB g/L	63 ± 4	134 ± 6	167 ± 8	
	HCT %	18.5 ± 1.5	38.1 ± 2.0	47.4 ± 2.4	
	MCV fL	72.5 ± 5.0	84.5 ± 5.0	92.0 ± 5.0	
	MCH pg	24.7 ± 2.5	29.7 ± 2.5	32.4 ± 2.5	
	MCHC g/L	341 ± 30	352 ± 30	352 ± 30	
	RDW-CV %	12.5 ± 3.0	11.5 ± 3.0	11.5 ± 3.0	
	RDW-SD fL	30.0 ± 8.0	34.0 ± 8.0	39.0 ± 8.0	
	PLT x 10 ⁹ /L	54 ± 20	246 ± 40	497 ± 60	
	MPV fL	8.0 ± 3.0	8.5 ± 3.0	9.0 ± 3.0	
PCT % *	0.050 ± 0.050	0.210 ± 0.100	0.440 ± 0.200		
PDW fL *	16.5 ± 3.0	16.4 ± 3.0	16.4 ± 3.0		

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Instrument	Parameter	Low		Normal		High		++
		LOT	BC501L	LOT	BC501N	LOT	BC501H	
BC-5300, BC-5100 QC Mode	WBC $10^9/L$		3.45 ± 0.50		8.00 ± 1.00		18.00 ± 2.50	
	Neu x $10^9/L$		1.73 ± 0.35		4.64 ± 0.80		11.25 ± 1.45	
	Lym x $10^9/L$		1.29 ± 0.35		2.08 ± 0.75		3.42 ± 1.30	
	Mon x $10^9/L$		0.29 ± 0.25		0.68 ± 0.60		1.62 ± 1.30	
	Eos x $10^9/L$		0.14 ± 0.14		0.60 ± 0.60		1.71 ± 1.71	
	Bas x $10^9/L$		1.67 ± 0.30		5.12 ± 0.65		13.68 ± 1.45	
	Neu %		50.0 ± 10.0		58.0 ± 10.0		62.5 ± 8.0	
	Lym %		37.5 ± 10.0		26.0 ± 9.0		19.0 ± 7.0	
	Mon %		8.5 ± 6.0		8.5 ± 7.0		9.0 ± 7.0	
	Eos %		4.0 ± 4.0		7.5 ± 7.5		9.5 ± 9.5	
	Bas %		48.5 ± 8.0		64.0 ± 8.0		76.0 ± 8.0	
	RBC x $10^{12}/L$		2.43 ± 0.18		4.49 ± 0.24		5.16 ± 0.30	
	HGB g/L		62 ± 4		133 ± 6		165 ± 8	
	HCT %		19.4 ± 1.5		41.8 ± 2.0		51.1 ± 2.4	
	MCV fL		80.0 ± 5.0		93.0 ± 5.0		99.0 ± 5.0	
	MCH pg		25.5 ± 2.5		29.6 ± 2.5		32.0 ± 2.5	
	MCHC g/L		319 ± 30		319 ± 30		323 ± 30	
	RDW-CV %		16.0 ± 3.0		14.5 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		55.0 ± 8.0		57.5 ± 8.0		57.0 ± 8.0	
	PLT x $10^9/L$		48 ± 20		238 ± 40		490 ± 60	
	MPV fL		8.7 ± 3.0		8.8 ± 3.0		9.0 ± 3.0	
	PCT % *		0.050 ± 0.050		0.210 ± 0.100		0.440 ± 0.200	
	PDW fL *		16.1 ± 3.0		16.1 ± 3.0		16.3 ± 3.0	
BC-5380, BC-5180 QC Mode	WBC $10^9/L$		3.50 ± 0.50		7.95 ± 1.00		17.50 ± 2.50	
	Neu x $10^9/L$		1.75 ± 0.35		4.53 ± 0.65		10.94 ± 1.45	
	Lym x $10^9/L$		1.31 ± 0.35		2.15 ± 0.65		3.33 ± 1.25	
	Mon x $10^9/L$		0.28 ± 0.25		0.68 ± 0.50		1.58 ± 1.25	
	Eos x $10^9/L$		0.16 ± 0.16		0.60 ± 0.60		1.66 ± 1.66	
	Bas x $10^9/L$		1.75 ± 0.30		5.17 ± 0.65		13.48 ± 1.45	
	Neu %		50.0 ± 9.0		57.0 ± 8.0		62.5 ± 8.0	
	Lym %		37.5 ± 9.0		27.0 ± 8.0		19.0 ± 7.0	
	Mon %		8.0 ± 6.0		8.5 ± 6.0		9.0 ± 7.0	
	Eos %		4.5 ± 4.5		7.5 ± 7.5		9.5 ± 9.5	
	Bas %		50.0 ± 8.0		65.0 ± 8.0		77.0 ± 8.0	
	RBC x $10^{12}/L$		2.50 ± 0.18		4.51 ± 0.24		5.13 ± 0.30	
	HGB g/L		62 ± 4		133 ± 6		164 ± 8	
	HCT %		19.6 ± 1.5		41.3 ± 2.0		50.3 ± 2.4	
	MCV fL		78.5 ± 5.0		91.5 ± 5.0		98.0 ± 5.0	
	MCH pg		24.8 ± 2.5		29.5 ± 2.5		32.0 ± 2.5	
	MCHC g/L		316 ± 30		322 ± 30		326 ± 30	
	RDW-CV %		15.5 ± 3.0		14.0 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		54.0 ± 8.0		56.5 ± 8.0		56.0 ± 8.0	
	PLT x $10^9/L$		53 ± 20		241 ± 40		488 ± 60	
	MPV fL		7.6 ± 3.0		7.9 ± 3.0		7.9 ± 3.0	
	PCT % *		0.050 ± 0.050		0.190 ± 0.100		0.380 ± 0.200	
	PDW fL *		16.2 ± 3.0		16.3 ± 3.0		16.3 ± 3.0	

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		LOT BC501L	LOT BC501N	LOT BC501H	
BC-5300Vet, BC-5100Vet QC Mode	WBC $10^9/L$	3.45 ± 0.50	8.00 ± 1.00	18.00 ± 2.50	
	Neu x $10^9/L$	1.73 ± 0.35	4.64 ± 0.80	11.25 ± 1.45	
	Lym x $10^9/L$	1.29 ± 0.35	2.08 ± 0.75	3.42 ± 1.30	
	Mon x $10^9/L$	0.29 ± 0.25	0.68 ± 0.60	1.62 ± 1.30	
	Eos x $10^9/L$	0.14 ± 0.14	0.60 ± 0.60	1.71 ± 1.71	
	Neu %	50.0 ± 10.0	58.0 ± 10.0	62.5 ± 8.0	
	Lym %	37.5 ± 10.0	26.0 ± 9.0	19.0 ± 7.0	
	Mon %	8.5 ± 6.0	8.5 ± 7.0	9.0 ± 7.0	
	Eos %	4.0 ± 4.0	7.5 ± 7.5	9.5 ± 9.5	
	RBC x $10^{12}/L$	2.43 ± 0.18	4.49 ± 0.24	5.16 ± 0.30	
	HGB g/L	62 ± 4	133 ± 6	165 ± 8	
	HCT %	19.4 ± 1.5	41.8 ± 2.0	51.1 ± 2.4	
	MCV fL	80.0 ± 5.0	93.0 ± 5.0	99.0 ± 5.0	
	MCH pg	25.5 ± 2.5	29.6 ± 2.5	32.0 ± 2.5	
	MCHC g/L	319 ± 30	319 ± 30	323 ± 30	
	RDW-CV %	16.0 ± 3.0	14.5 ± 3.0	13.5 ± 3.0	
	RDW-SD fL	55.0 ± 8.0	57.5 ± 8.0	57.0 ± 8.0	
	PLT x $10^9/L$	48 ± 20	238 ± 40	490 ± 60	
	MPV fL	8.7 ± 3.0	8.8 ± 3.0	9.0 ± 3.0	
	PCT % *	0.050 ± 0.050	0.210 ± 0.100	0.440 ± 0.200	
PDW fL *	16.1 ± 3.0	16.1 ± 3.0	16.3 ± 3.0		

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