


BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC505**
 **2015-07-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC505L	LOT	BC505N	LOT	BC505H	
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L		3.45 ± 0.50		8.10 ± 1.00		19.30 ± 2.50	
	Neu x 10 ⁹ /L		1.71 ± 0.35		4.66 ± 0.65		12.45 ± 1.55	
	Lym x 10 ⁹ /L		1.35 ± 0.35		2.31 ± 0.65		3.76 ± 1.35	
	Mon x 10 ⁹ /L		0.21 ± 0.15		0.49 ± 0.35		1.25 ± 0.80	
	Eos x 10 ⁹ /L		0.16 ± 0.13		0.57 ± 0.45		1.64 ± 1.20	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.19 ± 0.19	
	Neu %		49.5 ± 9.0		57.5 ± 8.0		64.5 ± 8.0	
	Lym %		39.0 ± 9.0		28.5 ± 8.0		19.5 ± 7.0	
	Mon %		6.0 ± 4.0		6.0 ± 4.0		6.5 ± 4.0	
	Eos %		4.5 ± 3.5		7.0 ± 5.0		8.5 ± 6.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.51 ± 0.18		4.70 ± 0.24		5.43 ± 0.30	
	HGB g/L		63 ± 4		134 ± 6		169 ± 8	
	HCT %		19.6 ± 1.5		41.1 ± 2.0		51.6 ± 2.4	
	MCV fL		78.0 ± 5.0		87.5 ± 5.0		95.0 ± 5.0	
	MCH pg		25.1 ± 2.5		28.5 ± 2.5		31.1 ± 2.5	
	MCHC g/L		322 ± 30		326 ± 30		328 ± 30	
	RDW-CV %		16.5 ± 3.0		15.5 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		47.0 ± 8.0		50.5 ± 8.0		48.5 ± 8.0	
	PLT x 10 ⁹ /L		52 ± 20		262 ± 40		505 ± 60	
	MPV fL		8.0 ± 3.0		9.0 ± 3.0		9.4 ± 3.0	
PCT % *		0.050 ± 0.050		0.230 ± 0.100		0.470 ± 0.200		
PDW fL *		16.5 ± 3.0		16.0 ± 3.0		16.0 ± 3.0		
P-LCC x 10 ⁹ /L		14 ± 9		73 ± 15		160 ± 25		
P-LCR %		24.5 ± 10.0		29.0 ± 10.0		33.0 ± 10.0		
BC-5500, BC-5200 QC Mode	WBC 10 ⁹ /L		3.35 ± 0.50		7.95 ± 1.00		18.75 ± 2.50	
	Neu x 10 ⁹ /L		1.57 ± 0.35		4.49 ± 0.65		12.00 ± 1.50	
	Lym x 10 ⁹ /L		1.36 ± 0.35		2.31 ± 0.65		3.75 ± 1.35	
	Mon x 10 ⁹ /L		0.23 ± 0.17		0.52 ± 0.35		1.22 ± 0.80	
	Eos x 10 ⁹ /L		0.15 ± 0.12		0.56 ± 0.40		1.59 ± 1.15	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.19 ± 0.19	
	Neu %		47.0 ± 9.0		56.5 ± 8.0		64.0 ± 8.0	
	Lym %		40.5 ± 9.0		29.0 ± 8.0		20.0 ± 7.0	
	Mon %		7.0 ± 5.0		6.5 ± 4.0		6.5 ± 4.0	
	Eos %		4.5 ± 3.5		7.0 ± 5.0		8.5 ± 6.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.50 ± 0.18		4.65 ± 0.24		5.34 ± 0.30	
	HGB g/L		64 ± 4		135 ± 6		171 ± 8	
	HCT %		18.6 ± 1.5		39.1 ± 2.0		48.6 ± 2.4	
	MCV fL		74.5 ± 5.0		84.0 ± 5.0		91.0 ± 5.0	
	MCH pg		25.6 ± 2.5		29.0 ± 2.5		32.0 ± 2.5	
	MCHC g/L		344 ± 30		346 ± 30		352 ± 30	
	RDW-CV %		13.0 ± 3.0		12.5 ± 3.0		11.5 ± 3.0	
	RDW-SD fL		30.0 ± 8.0		37.5 ± 8.0		39.0 ± 8.0	
	PLT x 10 ⁹ /L		54 ± 20		251 ± 40		485 ± 60	
	MPV fL		8.5 ± 3.0		9.2 ± 3.0		9.8 ± 3.0	
PCT % *		0.050 ± 0.050		0.230 ± 0.100		0.475 ± 0.200		
PDW fL *		16.8 ± 3.0		16.4 ± 3.0		16.3 ± 3.0		

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		LOT	BC505L	LOT	BC505N	LOT	BC505H	
BC-5300, BC-5100 QC Mode	WBC $10^9/L$		3.40 ± 0.50		8.00 ± 1.00		19.00 ± 2.50	
	Neu x $10^9/L$		1.73 ± 0.35		4.68 ± 0.65		12.73 ± 1.55	
	Lym x $10^9/L$		1.34 ± 0.35		2.32 ± 0.65		3.52 ± 1.35	
	Mon x $10^9/L$		0.17 ± 0.14		0.40 ± 0.32		1.05 ± 0.80	
	Eos x $10^9/L$		0.15 ± 0.12		0.60 ± 0.40		1.71 ± 1.35	
	Bas x $10^9/L$		1.39 ± 0.30		4.88 ± 0.65		14.29 ± 1.55	
	Neu %		51.0 ± 9.0		58.5 ± 8.0		67.0 ± 8.0	
	Lym %		39.5 ± 9.0		29.0 ± 8.0		18.5 ± 7.0	
	Mon %		5.0 ± 4.0		5.0 ± 4.0		5.5 ± 4.0	
	Eos %		4.5 ± 3.5		7.5 ± 5.0		9.0 ± 7.0	
	Bas %		41.0 ± 8.0		61.0 ± 8.0		75.2 ± 8.0	
	RBC x $10^{12}/L$		2.44 ± 0.18		4.63 ± 0.24		5.35 ± 0.30	
	HGB g/L		63 ± 4		134 ± 6		170 ± 8	
	HCT %		20.0 ± 1.5		41.9 ± 2.0		52.7 ± 2.4	
	MCV fL		82.0 ± 5.0		90.5 ± 5.0		98.5 ± 5.0	
	MCH pg		25.8 ± 2.5		28.9 ± 2.5		31.8 ± 2.5	
	MCHC g/L		315 ± 30		320 ± 30		323 ± 30	
	RDW-CV %		16.0 ± 3.0		15.0 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		55.5 ± 8.0		59.0 ± 8.0		57.0 ± 8.0	
	PLT x $10^9/L$		49 ± 20		248 ± 40		480 ± 60	
	MPV fL		9.2 ± 3.0		9.4 ± 3.0		9.7 ± 3.0	
PCT % *		0.050 ± 0.050		0.230 ± 0.100		0.470 ± 0.200		
PDW fL *		16.1 ± 3.0		16.0 ± 3.0		16.1 ± 3.0		
BC-5380, BC-5180 QC Mode	WBC $10^9/L$		3.30 ± 0.50		7.80 ± 1.00		18.45 ± 2.50	
	Neu x $10^9/L$		1.68 ± 0.30		4.68 ± 0.65		12.27 ± 1.50	
	Lym x $10^9/L$		1.29 ± 0.30		2.15 ± 0.65		3.60 ± 1.50	
	Mon x $10^9/L$		0.17 ± 0.14		0.39 ± 0.32		0.92 ± 0.74	
	Eos x $10^9/L$		0.17 ± 0.14		0.59 ± 0.40		1.66 ± 1.30	
	Bas x $10^9/L$		1.36 ± 0.30		4.81 ± 0.65		13.97 ± 1.50	
	Neu %		51.0 ± 9.0		60.0 ± 8.0		66.5 ± 8.0	
	Lym %		39.0 ± 9.0		27.5 ± 8.0		19.5 ± 8.0	
	Mon %		5.0 ± 4.0		5.0 ± 4.0		5.0 ± 4.0	
	Eos %		5.0 ± 4.0		7.5 ± 5.0		9.0 ± 7.0	
	Bas %		41.2 ± 8.0		61.7 ± 8.0		75.7 ± 8.0	
	RBC x $10^{12}/L$		2.42 ± 0.18		4.62 ± 0.24		5.30 ± 0.30	
	HGB g/L		63 ± 4		133 ± 6		167 ± 8	
	HCT %		19.6 ± 1.5		41.3 ± 2.0		51.1 ± 2.4	
	MCV fL		81.0 ± 5.0		89.5 ± 5.0		96.5 ± 5.0	
	MCH pg		26.0 ± 2.5		28.8 ± 2.5		31.5 ± 2.5	
	MCHC g/L		321 ± 30		322 ± 30		327 ± 30	
	RDW-CV %		15.5 ± 3.0		14.5 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		54.0 ± 8.0		57.5 ± 8.0		55.0 ± 8.0	
	PLT x $10^9/L$		47 ± 20		246 ± 40		472 ± 60	
	MPV fL		8.1 ± 3.0		8.4 ± 3.0		8.6 ± 3.0	
PCT % *		0.050 ± 0.050		0.205 ± 0.100		0.400 ± 0.200		
PDW fL *		16.0 ± 3.0		16.1 ± 3.0		16.1 ± 3.0		

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Instrument	Parameter	Low	Normal	High	+++
		LOT BC505L	LOT BC505N	LOT BC505H	
BC-5300Vet, BC-5100Vet QC Mode	WBC $10^9/L$	3.40 ± 0.50	8.00 ± 1.00	19.00 ± 2.50	
	Neu x $10^9/L$	1.73 ± 0.35	4.68 ± 0.65	12.73 ± 1.55	
	Lym x $10^9/L$	1.34 ± 0.35	2.32 ± 0.65	3.52 ± 1.35	
	Mon x $10^9/L$	0.17 ± 0.14	0.40 ± 0.32	1.05 ± 0.80	
	Eos x $10^9/L$	0.15 ± 0.12	0.60 ± 0.40	1.71 ± 1.35	
	Neu %	51.0 ± 9.0	58.5 ± 8.0	67.0 ± 8.0	
	Lym %	39.5 ± 9.0	29.0 ± 8.0	18.5 ± 7.0	
	Mon %	5.0 ± 4.0	5.0 ± 4.0	5.5 ± 4.0	
	Eos %	4.5 ± 3.5	7.5 ± 5.0	9.0 ± 7.0	
	RBC x $10^{12}/L$	2.44 ± 0.18	4.63 ± 0.24	5.35 ± 0.30	
	HGB g/L	63 ± 4	134 ± 6	170 ± 8	
	HCT %	20.0 ± 1.5	41.9 ± 2.0	52.7 ± 2.4	
	MCV fL	82.0 ± 5.0	90.5 ± 5.0	98.5 ± 5.0	
	MCH pg	25.8 ± 2.5	28.9 ± 2.5	31.8 ± 2.5	
	MCHC g/L	315 ± 30	320 ± 30	323 ± 30	
	RDW-CV %	16.0 ± 3.0	15.0 ± 3.0	13.5 ± 3.0	
	RDW-SD fL	55.5 ± 8.0	59.0 ± 8.0	57.0 ± 8.0	
	PLT x $10^9/L$	49 ± 20	248 ± 40	480 ± 60	
	MPV fL	9.2 ± 3.0	9.4 ± 3.0	9.7 ± 3.0	
	PCT % *	0.050 ± 0.050	0.230 ± 0.100	0.470 ± 0.200	
PDW fL *	16.1 ± 3.0	16.0 ± 3.0	16.1 ± 3.0		

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**Mindray**

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.

Mindray Building, Keji 12th Road South, Hi-tech Industrial Park, Nanshan, ShenZhen 518057, P.R.China

Tel: +86 755 81888998

Fax: +86 755 26582680

EC REP

Shanghai International Holding Corp. GmbH (Europe)

Eiffestraße 80 20537 Hamburg, Germany

Tel: 0049-40-2513175

Fax: 0049-40-255726