

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1705B**2017-07-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1705BL	LOT	BC1705BN	LOT	BC1705BH	
BC-5800, BC-5600	WBC x 10 ⁹ /L		3.35 ± 0.50		7.55 ± 1.00		17.30 ± 2.50	
QC Mode	Neu x 10 ⁹ /L		1.61 ± 0.30		4.30 ± 0.61		11.07 ± 1.39	
	Lym x 10 ⁹ /L		1.27 ± 0.30		2.11 ± 0.61		3.37 ± 1.39	
	Mon x 10 ⁹ /L		0.25 ± 0.20		0.49 ± 0.38		1.12 ± 0.87	
	Eos x 10 ⁹ /L		0.18 ± 0.17		0.57 ± 0.46		1.56 ± 1.22	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.17 ± 0.17	
	Neu %		48.0 ± 9.0		57.0 ± 8.0		64.0 ± 8.0	
	Lym %		38.0 ± 9.0		28.0 ± 8.0		19.5 ± 8.0	
	Mon %		7.5 ± 6.0		6.5 ± 5.0		6.5 ± 5.0	
	Eos %		5.5 ± 5.0		7.5 ± 6.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.12 ± 0.18		4.32 ± 0.24		5.02 ± 0.30	
	HGB g/L		61 ± 4		134 ± 6		169 ± 8	
	HCT %		18.7 ± 1.5		41.0 ± 2.0		52.2 ± 2.4	
	MCV fL		88.0 ± 5.0		95.0 ± 5.0		104.0 ± 5.0	
	MCH pg		28.8 ± 2.5		31.0 ± 2.5		33.7 ± 2.5	
	MCHC g/L		327 ± 30		327 ± 30		324 ± 30	
	RDW-CV %		13.5 ± 3.0		13.0 ± 3.0		12.5 ± 3.0	
	RDW-SD fL		45.0 ± 8.0		49.0 ± 8.0		49.7 ± 8.0	
	PLT x 10 ⁹ /L		56 ± 20		250 ± 40		500 ± 60	
	MPV fL		8.7 ± 3.0		7.8 ± 3.0		9.1 ± 3.0	
	PCT % *		0.050 ± 0.050		0.195 ± 0.100		0.455 ± 0.200	
	PDW fL *		17.2 ± 3.0		16.0 ± 3.0		16.2 ± 3.0	
	P-LCC x 10 ⁹ /L		15 ± 15		47 ± 25		139 ± 35	
	P-LCR %		28.0 ± 10.0		19.5 ± 10.0		26.0 ± 10.0	
BC-5500, BC-5200	WBC 10 ⁹ /L		3.30 ± 0.50		7.45 ± 1.00		16.70 ± 2.50	
QC Mode	Neu x 10 ⁹ /L		1.57 ± 0.30		4.17 ± 0.60		10.60 ± 1.34	
	Lym x 10 ⁹ /L		1.25 ± 0.30		2.12 ± 0.60		3.34 ± 1.34	
	Mon x 10 ⁹ /L		0.26 ± 0.20		0.52 ± 0.45		1.09 ± 0.84	
	Eos x 10 ⁹ /L		0.18 ± 0.17		0.56 ± 0.45		1.50 ± 1.17	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.07 ± 0.07		0.17 ± 0.17	
	Neu %		47.5 ± 9.0		56.0 ± 8.0		63.5 ± 8.0	
	Lym %		38.0 ± 9.0		28.5 ± 8.0		20.0 ± 8.0	
	Mon %		8.0 ± 6.0		7.0 ± 6.0		6.5 ± 5.0	
	Eos %		5.5 ± 5.0		7.5 ± 6.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.09 ± 0.18		4.29 ± 0.24		4.91 ± 0.30	
	HGB g/L		63 ± 4		140 ± 6		175 ± 8	
	HCT %		17.5 ± 1.5		38.8 ± 2.0		48.6 ± 2.4	
	MCV fL		83.5 ± 5.0		90.5 ± 5.0		99.0 ± 5.0	
	MCH pg		30.1 ± 2.5		32.6 ± 2.5		35.6 ± 2.5	
	MCHC g/L		361 ± 30		361 ± 30		360 ± 30	
	RDW-CV %		11.5 ± 3.0		11.5 ± 3.0		11.0 ± 3.0	
	RDW-SD fL		31.0 ± 8.0		35.0 ± 8.0		38.0 ± 8.0	
	PLT x 10 ⁹ /L		56 ± 20		250 ± 40		487 ± 60	
	MPV fL		9.7 ± 3.0		8.6 ± 3.0		10.0 ± 3.0	
	PCT % *		0.050 ± 0.050		0.210 ± 0.100		0.490 ± 0.200	
	PDW fL *		17.2 ± 3.0		16.3 ± 3.0		16.6 ± 3.0	

* For Research Use Only

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES


BC1705B
2017-07-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC1705BL	LOT	BC1705BN	LOT	BC1705BH	
BC-5300, BC-5100	WBC $10^9/L$		3.20 ± 0.50		7.50 ± 1.00		17.15 ± 2.50	
BC-5380, BC-5180	Neu x $10^9/L$		1.66 ± 0.29		4.50 ± 0.60		11.46 ± 1.38	
QC Mode	Lym x $10^9/L$		1.18 ± 0.29		2.05 ± 0.60		3.17 ± 1.38	
	Mon x $10^9/L$		0.19 ± 0.16		0.38 ± 0.38		0.86 ± 0.69	
	Eos x $10^9/L$		0.16 ± 0.13		0.58 ± 0.46		1.66 ± 1.37	
	Bas x $10^9/L$		1.65 ± 0.33		4.87 ± 0.76		13.07 ± 1.72	
	Neu %		52.0 ± 9.0		60.0 ± 8.0		66.8 ± 8.0	
	Lym %		37.0 ± 9.0		27.3 ± 8.0		18.5 ± 8.0	
	Mon %		6.0 ± 5.0		5.0 ± 5.0		5.0 ± 4.0	
	Eos %		5.0 ± 4.0		7.7 ± 6.0		9.7 ± 8.0	
	Bas %		51.5 ± 10.0		64.9 ± 10.0		76.2 ± 10.0	
	RBC x $10^{12}/L$		2.06 ± 0.18		4.26 ± 0.24		4.96 ± 0.30	
	HGB g/L		56 ± 4		125 ± 6		158 ± 8	
	HCT %		18.5 ± 1.5		41.5 ± 2.0		52.7 ± 2.4	
	MCV fL		89.8 ± 5.0		97.5 ± 5.0		106.3 ± 5.0	
	MCH pg		27.2 ± 2.5		29.3 ± 2.5		31.9 ± 2.5	
	MCHC g/L		303 ± 30		301 ± 30		300 ± 30	
	RDW-CV %		13.8 ± 3.0		13.8 ± 3.0		13.3 ± 3.0	
	RDW-SD fL		56.0 ± 8.0		59.0 ± 8.0		61.5 ± 8.0	
	PLT x $10^9/L$		47 ± 20		228 ± 40		468 ± 60	
	MPV fL		9.7 ± 3.0		8.5 ± 3.0		9.4 ± 3.0	
	PCT % *		0.050 ± 0.050		0.190 ± 0.100		0.430 ± 0.200	
	PDW fL *		16.7 ± 3.0		16.1 ± 3.0		16.3 ± 3.0	
BC-5300Vet, BC-5100Vet	WBC $10^9/L$		3.20 ± 0.50		7.50 ± 1.00		17.15 ± 2.50	
QC Mode	Neu x $10^9/L$		1.66 ± 0.29		4.50 ± 0.60		11.46 ± 1.38	
	Lym x $10^9/L$		1.18 ± 0.29		2.05 ± 0.60		3.17 ± 1.38	
	Mon x $10^9/L$		0.19 ± 0.16		0.38 ± 0.38		0.86 ± 0.69	
	Eos x $10^9/L$		0.16 ± 0.13		0.58 ± 0.46		1.66 ± 1.37	
	Neu %		52.0 ± 9.0		60.0 ± 8.0		66.8 ± 8.0	
	Lym %		37.0 ± 9.0		27.3 ± 8.0		18.5 ± 8.0	
	Mon %		6.0 ± 5.0		5.0 ± 5.0		5.0 ± 4.0	
	Eos %		5.0 ± 4.0		7.7 ± 6.0		9.7 ± 8.0	
	RBC x $10^{12}/L$		2.06 ± 0.18		4.26 ± 0.24		4.96 ± 0.30	
	HGB g/L		56 ± 4		125 ± 6		158 ± 8	
	HCT %		18.5 ± 1.5		41.5 ± 2.0		52.7 ± 2.4	
	MCV fL		89.8 ± 5.0		97.5 ± 5.0		106.3 ± 5.0	
	MCH pg		27.2 ± 2.5		29.3 ± 2.5		31.9 ± 2.5	
	MCHC g/L		303 ± 30		301 ± 30		300 ± 30	
	RDW-CV %		13.8 ± 3.0		13.8 ± 3.0		13.3 ± 3.0	
	RDW-SD fL		56.0 ± 8.0		59.0 ± 8.0		61.5 ± 8.0	
	PLT x $10^9/L$		47 ± 20		228 ± 40		468 ± 60	
	MPV fL		9.7 ± 3.0		8.5 ± 3.0		9.4 ± 3.0	
	PCT % *		0.050 ± 0.050		0.190 ± 0.100		0.430 ± 0.200	
	PDW fL *		16.7 ± 3.0		16.1 ± 3.0		16.3 ± 3.0	

* For Research Use Only

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1705B**2017-07-10**

Instrument	Parameter	Low		Normal		High		+++
		LOT	BC1705BL	LOT	BC1705BN	LOT	BC1705BH	
BC-5000, BC-5150	WBC $10^9/L$		3.25 \pm 0.50		7.50 \pm 1.00		16.90 \pm 2.50	
BC-5000Vet	Neu $\times 10^9/L$		1.54 \pm 0.39		4.20 \pm 0.90		10.66 \pm 2.03	
QC Mode	Lym $\times 10^9/L$		1.18 \pm 0.30		2.04 \pm 0.60		3.06 \pm 1.19	
	Mon $\times 10^9/L$		0.33 \pm 0.33		0.65 \pm 0.65		1.45 \pm 1.45	
	Eos $\times 10^9/L$		0.18 \pm 0.18		0.53 \pm 0.53		1.47 \pm 1.47	
	Bas $\times 10^9/L$		0.03 \pm 0.03		0.09 \pm 0.09		0.25 \pm 0.25	
	Neu %		47.5 \pm 12.0		56.0 \pm 12.0		63.1 \pm 12.0	
	Lym %		36.3 \pm 9.0		27.2 \pm 8.0		18.1 \pm 7.0	
	Mon %		10.0 \pm 10.0		8.6 \pm 8.6		8.6 \pm 8.6	
	Eos %		5.4 \pm 5.4		7.0 \pm 7.0		8.7 \pm 8.7	
	Bas %		0.8 \pm 0.8		1.2 \pm 1.2		1.5 \pm 1.5	
	RBC $\times 10^{12}/L$		2.05 \pm 0.18		4.36 \pm 0.24		4.95 \pm 0.30	
	HGB g/L		56 \pm 4		128 \pm 6		162 \pm 8	
	HCT %		18.1 \pm 1.5		40.5 \pm 2.0		50.5 \pm 2.4	
	MCV fL		88.5 \pm 5.0		93.0 \pm 5.0		102.0 \pm 5.0	
	MCH pg		27.3 \pm 2.5		29.4 \pm 2.5		32.7 \pm 2.5	
	MCHC g/L		309 \pm 30		316 \pm 30		321 \pm 30	
	RDW-CV %		16.5 \pm 3.0		17.0 \pm 3.0		16.5 \pm 3.0	
	RDW-SD fL		55.0 \pm 8.0		59.0 \pm 8.0		60.0 \pm 8.0	
	PLT $\times 10^9/L$		54 \pm 20		248 \pm 40		496 \pm 60	
	MPV fL		11.2 \pm 3.0		9.9 \pm 3.0		11.3 \pm 3.0	
	PCT % *		0.055 \pm 0.050		0.240 \pm 0.100		0.550 \pm 0.200	
	PDW fL *		17.3 \pm 3.0		16.4 \pm 3.0		16.7 \pm 3.0	
	P-LCC $\times 10^9/L$ **		18 \pm 15		60 \pm 25		168 \pm 35	
	P-LCR % **		33.5 \pm 10.0		24.5 \pm 10.0		33.5 \pm 10.0	

* For Research Use Only

** These parameters are not provided on BC-5000/BC-5000 Vet analyzers

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

**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