

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1607**2016-09-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1607L	LOT	BC1607N	LOT	BC1607H	
BC-5800, BC-5600	WBC x 10 ⁹ /L		3.45 ± 0.50		8.15 ± 1.00		18.50 ± 2.50	
QC Mode	Neu x 10 ⁹ /L		1.67 ± 0.35		4.52 ± 0.70		11.66 ± 1.50	
	Lym x 10 ⁹ /L		1.31 ± 0.35		2.32 ± 0.70		3.70 ± 1.30	
	Mon x 10 ⁹ /L		0.26 ± 0.25		0.61 ± 0.50		1.39 ± 1.15	
	Eos x 10 ⁹ /L		0.17 ± 0.15		0.61 ± 0.50		1.57 ± 1.30	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.19 ± 0.19	
	Neu %		48.5 ± 9.0		55.5 ± 8.0		63.0 ± 8.0	
	Lym %		38.0 ± 9.0		28.5 ± 8.0		20.0 ± 7.0	
	Mon %		7.5 ± 6.0		7.5 ± 6.0		7.5 ± 6.0	
	Eos %		5.0 ± 4.0		7.5 ± 6.0		8.5 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.50 ± 0.18		4.82 ± 0.24		5.28 ± 0.30	
	HGB g/L		62 ± 4		137 ± 6		166 ± 8	
	HCT %		19.3 ± 1.5		41.7 ± 2.0		50.7 ± 2.4	
	MCV fL		77.0 ± 5.0		86.5 ± 5.0		96.0 ± 5.0	
	MCH pg		24.8 ± 2.5		28.4 ± 2.5		31.4 ± 2.5	
	MCHC g/L		322 ± 30		329 ± 30		327 ± 30	
	RDW-CV %		15.0 ± 3.0		13.5 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		43.5 ± 8.0		44.0 ± 8.0		47.0 ± 8.0	
	PLT x 10 ⁹ /L		54 ± 20		255 ± 40		495 ± 60	
	MPV fL		7.7 ± 3.0		8.3 ± 3.0		8.6 ± 3.0	
	PCT % *		0.050 ± 0.050		0.210 ± 0.100		0.420 ± 0.200	
	PDW fL *		16.2 ± 3.0		16.0 ± 3.0		16.1 ± 3.0	
	P-LCC x 10 ⁹ /L		15 ± 15		61 ± 25		130 ± 35	
	P-LCR %		21.5 ± 10.0		24.0 ± 10.0		26.0 ± 10.0	
BC-5500, BC-5200	WBC 10 ⁹ /L		3.40 ± 0.50		8.00 ± 1.00		18.05 ± 2.50	
QC Mode	Neu x 10 ⁹ /L		1.63 ± 0.35		4.40 ± 0.70		11.28 ± 1.50	
	Lym x 10 ⁹ /L		1.31 ± 0.35		2.32 ± 0.70		3.61 ± 1.30	
	Mon x 10 ⁹ /L		0.26 ± 0.25		0.64 ± 0.60		1.35 ± 1.10	
	Eos x 10 ⁹ /L		0.17 ± 0.15		0.56 ± 0.50		1.62 ± 1.30	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.18 ± 0.18	
	Neu %		48.0 ± 9.0		55.0 ± 8.0		62.5 ± 8.0	
	Lym %		38.5 ± 9.0		29.0 ± 8.0		20.0 ± 7.0	
	Mon %		7.5 ± 6.0		8.0 ± 7.0		7.5 ± 6.0	
	Eos %		5.0 ± 4.0		7.0 ± 6.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.51 ± 0.18		4.78 ± 0.24		5.22 ± 0.30	
	HGB g/L		63 ± 4		139 ± 6		168 ± 8	
	HCT %		18.3 ± 1.5		39.4 ± 2.0		48.0 ± 2.4	
	MCV fL		73.0 ± 5.0		82.5 ± 5.0		92.0 ± 5.0	
	MCH pg		25.1 ± 2.5		29.1 ± 2.5		32.2 ± 2.5	
	MCHC g/L		344 ± 30		352 ± 30		350 ± 30	
	RDW-CV %		12.5 ± 3.0		12.0 ± 3.0		11.5 ± 3.0	
	RDW-SD fL		30.0 ± 8.0		33.0 ± 8.0		37.5 ± 8.0	
	PLT x 10 ⁹ /L		55 ± 20		250 ± 40		490 ± 60	
	MPV fL		8.4 ± 3.0		9.2 ± 3.0		9.5 ± 3.0	
	PCT % *		0.050 ± 0.050		0.230 ± 0.100		0.460 ± 0.200	
	PDW fL *		16.4 ± 3.0		16.3 ± 3.0		16.4 ± 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



BC1607
2016-09-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC1607L	LOT	BC1607N	LOT	BC1607H	
BC-5300, BC-5100	WBC $10^9/L$		3.40 ± 0.50		7.85 ± 1.00		17.55 ± 2.50	
BC-5380, BC-5180	Neu x $10^9/L$		1.75 ± 0.35		4.51 ± 0.65		11.58 ± 1.45	
QC Mode	Lym x $10^9/L$		1.28 ± 0.35		2.24 ± 0.65		3.33 ± 1.45	
	Mon x $10^9/L$		0.19 ± 0.15		0.51 ± 0.40		1.05 ± 0.90	
	Eos x $10^9/L$		0.18 ± 0.14		0.59 ± 0.50		1.58 ± 1.25	
	Bas x $10^9/L$		1.63 ± 0.35		4.83 ± 0.79		13.07 ± 1.80	
	Neu %		51.5 ± 9.0		57.5 ± 8.0		66.0 ± 8.0	
	Lym %		37.7 ± 9.0		28.5 ± 8.0		19.0 ± 8.0	
	Mon %		5.5 ± 4.0		6.5 ± 5.0		6.0 ± 5.0	
	Eos %		5.3 ± 4.0		7.5 ± 6.0		9.0 ± 7.0	
	Bas %		47.8 ± 10.0		61.5 ± 10.0		74.5 ± 10.0	
	RBC x $10^{12}/L$		2.42 ± 0.18		4.75 ± 0.24		5.19 ± 0.30	
	HGB g/L		62 ± 4		137 ± 6		165 ± 8	
	HCT %		19.4 ± 1.5		42.4 ± 2.0		51.0 ± 2.4	
	MCV fL		80.3 ± 5.0		89.3 ± 5.0		98.3 ± 5.0	
	MCH pg		25.6 ± 2.5		28.8 ± 2.5		31.8 ± 2.5	
	MCHC g/L		319 ± 30		323 ± 30		323 ± 30	
	RDW-CV %		15.2 ± 3.0		14.5 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		53.8 ± 8.0		56.3 ± 8.0		56.8 ± 8.0	
	PLT x $10^9/L$		51 ± 20		248 ± 40		482 ± 60	
	MPV fL		8.5 ± 3.0		8.9 ± 3.0		9.0 ± 3.0	
	PCT % *		0.050 ± 0.050		0.220 ± 0.100		0.430 ± 0.200	
	PDW fL *		16.2 ± 3.0		16.1 ± 3.0		16.2 ± 3.0	
BC-5300Vet, BC-5100Vet	WBC $10^9/L$		3.40 ± 0.50		7.85 ± 1.00		17.55 ± 2.50	
QC Mode	Neu x $10^9/L$		1.75 ± 0.35		4.51 ± 0.65		11.58 ± 1.45	
	Lym x $10^9/L$		1.28 ± 0.35		2.24 ± 0.65		3.33 ± 1.45	
	Mon x $10^9/L$		0.19 ± 0.15		0.51 ± 0.40		1.05 ± 0.90	
	Eos x $10^9/L$		0.18 ± 0.14		0.59 ± 0.50		1.58 ± 1.25	
	Neu %		51.5 ± 9.0		57.5 ± 8.0		66.0 ± 8.0	
	Lym %		37.7 ± 9.0		28.5 ± 8.0		19.0 ± 8.0	
	Mon %		5.5 ± 4.0		6.5 ± 5.0		6.0 ± 5.0	
	Eos %		5.3 ± 4.0		7.5 ± 6.0		9.0 ± 7.0	
	RBC x $10^{12}/L$		2.42 ± 0.18		4.75 ± 0.24		5.19 ± 0.30	
	HGB g/L		62 ± 4		137 ± 6		165 ± 8	
	HCT %		19.4 ± 1.5		42.4 ± 2.0		51.0 ± 2.4	
	MCV fL		80.3 ± 5.0		89.3 ± 5.0		98.3 ± 5.0	
	MCH pg		25.6 ± 2.5		28.8 ± 2.5		31.8 ± 2.5	
	MCHC g/L		319 ± 30		323 ± 30		323 ± 30	
	RDW-CV %		15.2 ± 3.0		14.5 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		53.8 ± 8.0		56.3 ± 8.0		56.8 ± 8.0	
	PLT x $10^9/L$		51 ± 20		248 ± 40		482 ± 60	
	MPV fL		8.5 ± 3.0		8.9 ± 3.0		9.0 ± 3.0	
	PCT % *		0.050 ± 0.050		0.220 ± 0.100		0.430 ± 0.200	
	PDW fL *		16.2 ± 3.0		16.1 ± 3.0		16.2 ± 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

BC1607**2016-09-10**

Instrument	Parameter	Low		Normal		High		+++
		LOT	BC1607L	LOT	BC1607N	LOT	BC1607H	
BC-5000, BC-5150	WBC $10^9/L$		3.40 ± 0.50		7.95 ± 1.00		17.80 ± 2.50	
BC-5000Vet	Neu x $10^9/L$		1.58 ± 0.50		4.31 ± 1.00		11.05 ± 2.15	
QC Mode	Lym x $10^9/L$		1.26 ± 0.35		2.16 ± 0.65		3.20 ± 1.25	
	Mon x $10^9/L$		0.36 ± 0.36		0.87 ± 0.87		1.80 ± 1.80	
	Eos x $10^9/L$		0.16 ± 0.16		0.52 ± 0.52		1.50 ± 1.50	
	Bas x $10^9/L$		0.03 ± 0.03		0.08 ± 0.08		0.25 ± 0.25	
	Neu %		46.5 ± 12.0		54.2 ± 12.0		62.1 ± 12.0	
	Lym %		37.0 ± 9.0		27.2 ± 8.0		18.0 ± 7.0	
	Mon %		10.7 ± 10.7		11.0 ± 11.0		10.1 ± 10.1	
	Eos %		4.8 ± 4.8		6.6 ± 6.6		8.4 ± 8.4	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.4 ± 1.4	
	RBC x $10^{12}/L$		2.44 ± 0.18		4.79 ± 0.24		5.18 ± 0.30	
	HGB g/L		61 ± 4		136 ± 6		165 ± 8	
	HCT %		18.9 ± 1.5		41.4 ± 2.0		48.4 ± 2.4	
	MCV fL		77.5 ± 5.0		86.5 ± 5.0		93.5 ± 5.0	
	MCH pg		25.0 ± 2.5		28.4 ± 2.5		31.9 ± 2.5	
	MCHC g/L		323 ± 30		328 ± 30		341 ± 30	
	RDW-CV %		18.0 ± 3.0		17.5 ± 3.0		16.0 ± 3.0	
	RDW-SD fL		54.0 ± 8.0		55.0 ± 8.0		55.5 ± 8.0	
	PLT x $10^9/L$		52 ± 20		253 ± 40		487 ± 60	
	MPV fL		10.0 ± 3.0		10.2 ± 3.0		10.1 ± 3.0	
	PCT % *		0.050 ± 0.050		0.260 ± 0.100		0.495 ± 0.200	
	PDW fL *		15.6 ± 3.0		16.1 ± 3.0		16.4 ± 3.0	
	P-LCC x $10^9/L$ **		15 ± 15		80 ± 25		145 ± 35	
	P-LCR % **		29.0 ± 10.0		30.0 ± 10.0		30.0 ± 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