

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC509**2015-11-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC509L	LOT	BC509N	LOT	BC509H	
BC-5800, BC-5600	WBC x 10 ⁹ /L		3.40 ± 0.50		7.80 ± 1.00		18.15 ± 2.50	
QC Mode	Neu x 10 ⁹ /L		1.72 ± 0.35		4.49 ± 0.65		11.62 ± 1.50	
	Lym x 10 ⁹ /L		1.29 ± 0.35		2.18 ± 0.65		3.45 ± 1.30	
	Mon x 10 ⁹ /L		0.20 ± 0.15		0.51 ± 0.35		1.27 ± 0.95	
	Eos x 10 ⁹ /L		0.15 ± 0.12		0.55 ± 0.40		1.63 ± 1.30	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.18 ± 0.18	
	Neu %		50.5 ± 9.0		57.5 ± 8.0		64.0 ± 8.0	
	Lym %		38.0 ± 9.0		28.0 ± 8.0		19.0 ± 7.0	
	Mon %		6.0 ± 4.0		6.5 ± 4.0		7.0 ± 5.0	
	Eos %		4.5 ± 3.5		7.0 ± 5.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.51 ± 0.18		4.55 ± 0.24		5.48 ± 0.30	
	HGB g/L		62 ± 4		132 ± 6		169 ± 8	
	HCT %		19.0 ± 1.5		40.3 ± 2.0		52.1 ± 2.4	
	MCV fL		75.5 ± 5.0		88.5 ± 5.0		95.0 ± 5.0	
	MCH pg		24.7 ± 2.5		29.0 ± 2.5		30.8 ± 2.5	
	MCHC g/L		327 ± 30		328 ± 30		325 ± 30	
	RDW-CV %		15.5 ± 3.0		14.0 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		44.5 ± 8.0		45.5 ± 8.0		47.5 ± 8.0	
	PLT x 10 ⁹ /L		55 ± 20		256 ± 40		522 ± 60	
	MPV fL		7.4 ± 3.0		8.1 ± 3.0		8.4 ± 3.0	
	PCT % *		0.050 ± 0.050		0.210 ± 0.100		0.440 ± 0.200	
	PDW fL *		16.6 ± 3.0		16.0 ± 3.0		16.1 ± 3.0	
	P-LCC x 10 ⁹ /L		15 ± 15		60 ± 25		135 ± 35	
	P-LCR %		20.0 ± 10.0		23.0 ± 10.0		26.0 ± 10.0	
BC-5500, BC-5200	WBC 10 ⁹ /L		3.40 ± 0.50		7.75 ± 1.00		17.60 ± 2.50	
QC Mode	Neu x 10 ⁹ /L		1.63 ± 0.35		4.34 ± 0.65		11.09 ± 1.45	
	Lym x 10 ⁹ /L		1.33 ± 0.35		2.21 ± 0.65		3.43 ± 1.25	
	Mon x 10 ⁹ /L		0.24 ± 0.20		0.58 ± 0.40		1.32 ± 0.90	
	Eos x 10 ⁹ /L		0.17 ± 0.15		0.54 ± 0.40		1.58 ± 1.25	
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.18 ± 0.18	
	Neu %		48.0 ± 9.0		56.0 ± 8.0		63.0 ± 8.0	
	Lym %		39.0 ± 9.0		28.5 ± 8.0		19.5 ± 7.0	
	Mon %		7.0 ± 5.0		7.5 ± 5.0		7.5 ± 5.0	
	Eos %		5.0 ± 4.0		7.0 ± 5.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.48 ± 0.18		4.49 ± 0.24		5.34 ± 0.30	
	HGB g/L		62 ± 4		134 ± 6		170 ± 8	
	HCT %		18.0 ± 1.5		37.9 ± 2.0		48.6 ± 2.4	
	MCV fL		72.5 ± 5.0		84.5 ± 5.0		91.0 ± 5.0	
	MCH pg		25.0 ± 2.5		29.8 ± 2.5		31.8 ± 2.5	
	MCHC g/L		345 ± 30		353 ± 30		350 ± 30	
	RDW-CV %		13.0 ± 3.0		12.0 ± 3.0		11.5 ± 3.0	
	RDW-SD fL		30.0 ± 8.0		34.0 ± 8.0		37.5 ± 8.0	
	PLT x 10 ⁹ /L		55 ± 20		248 ± 40		500 ± 60	
	MPV fL		8.2 ± 3.0		8.9 ± 3.0		9.3 ± 3.0	
	PCT % *		0.050 ± 0.050		0.230 ± 0.100		0.470 ± 0.200	
	PDW fL *		16.6 ± 3.0		16.2 ± 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	BC509
	2015-11-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC509L	LOT	BC509N	LOT	BC509H	
BC-5300, BC-5100	WBC $10^9/L$		3.35 \pm 0.50		7.80 \pm 1.00		18.00 \pm 2.50	
QC Mode	Neu $\times 10^9/L$		1.76 \pm 0.35		4.60 \pm 0.75		11.70 \pm 1.50	
	Lym $\times 10^9/L$		1.27 \pm 0.35		2.22 \pm 0.65		3.42 \pm 1.30	
	Mon $\times 10^9/L$		0.17 \pm 0.15		0.39 \pm 0.35		1.17 \pm 0.90	
	Eos $\times 10^9/L$		0.15 \pm 0.14		0.59 \pm 0.55		1.71 \pm 1.30	
	Bas $\times 10^9/L$		1.63 \pm 0.35		4.74 \pm 0.80		13.46 \pm 1.80	
	Neu %		52.5 \pm 9.0		59.0 \pm 9.0		65.0 \pm 8.0	
	Lym %		38.0 \pm 9.0		28.5 \pm 8.0		19.0 \pm 7.0	
	Mon %		5.0 \pm 4.0		5.0 \pm 4.0		6.5 \pm 5.0	
	Eos %		4.5 \pm 4.0		7.5 \pm 7.0		9.5 \pm 7.0	
	Bas %		48.7 \pm 10.0		60.8 \pm 10.0		74.8 \pm 10.0	
	RBC $\times 10^{12}/L$		2.42 \pm 0.18		4.50 \pm 0.24		5.36 \pm 0.30	
	HGB g/L		60 \pm 4		132 \pm 6		169 \pm 8	
	HCT %		19.2 \pm 1.5		41.6 \pm 2.0		53.3 \pm 2.4	
	MCV fL		79.5 \pm 5.0		92.5 \pm 5.0		99.5 \pm 5.0	
	MCH pg		24.8 \pm 2.5		29.3 \pm 2.5		31.5 \pm 2.5	
	MCHC g/L		312 \pm 30		317 \pm 30		317 \pm 30	
	RDW-CV %		16.0 \pm 3.0		14.5 \pm 3.0		14.0 \pm 3.0	
	RDW-SD fL		55.5 \pm 8.0		57.5 \pm 8.0		60.0 \pm 8.0	
	PLT $\times 10^9/L$		50 \pm 20		240 \pm 40		485 \pm 60	
	MPV fL		9.0 \pm 3.0		9.2 \pm 3.0		9.3 \pm 3.0	
	PCT % *		0.050 \pm 0.050		0.215 \pm 0.100		0.445 \pm 0.200	
	PDW fL *		15.9 \pm 3.0		16.1 \pm 3.0		16.2 \pm 3.0	
BC-5380, BC-5180	WBC $10^9/L$		3.35 \pm 0.50		7.75 \pm 1.00		17.45 \pm 2.50	
QC Mode	Neu $\times 10^9/L$		1.78 \pm 0.35		4.65 \pm 0.65		11.43 \pm 1.40	
	Lym $\times 10^9/L$		1.27 \pm 0.30		2.13 \pm 0.65		3.32 \pm 1.40	
	Mon $\times 10^9/L$		0.17 \pm 0.15		0.39 \pm 0.35		1.05 \pm 0.70	
	Eos $\times 10^9/L$		0.13 \pm 0.10		0.58 \pm 0.50		1.66 \pm 1.25	
	Bas $\times 10^9/L$		1.65 \pm 0.35		4.77 \pm 0.80		13.23 \pm 1.75	
	Neu %		53.0 \pm 9.0		60.0 \pm 8.0		65.5 \pm 8.0	
	Lym %		38.0 \pm 9.0		27.5 \pm 8.0		19.0 \pm 8.0	
	Mon %		5.0 \pm 4.0		5.0 \pm 4.0		6.0 \pm 4.0	
	Eos %		4.0 \pm 3.0		7.5 \pm 6.0		9.5 \pm 7.0	
	Bas %		49.3 \pm 10.0		61.6 \pm 10.0		75.8 \pm 10.0	
	RBC $\times 10^{12}/L$		2.42 \pm 0.18		4.45 \pm 0.24		5.29 \pm 0.30	
	HGB g/L		61 \pm 4		130 \pm 6		167 \pm 8	
	HCT %		19.1 \pm 1.5		40.7 \pm 2.0		51.8 \pm 2.4	
	MCV fL		79.0 \pm 5.0		91.5 \pm 5.0		98.0 \pm 5.0	
	MCH pg		25.2 \pm 2.5		29.2 \pm 2.5		31.6 \pm 2.5	
	MCHC g/L		319 \pm 30		319 \pm 30		322 \pm 30	
	RDW-CV %		16.0 \pm 3.0		14.0 \pm 3.0		13.5 \pm 3.0	
	RDW-SD fL		54.0 \pm 8.0		55.0 \pm 8.0		58.0 \pm 8.0	
	PLT $\times 10^9/L$		50 \pm 20		242 \pm 40		490 \pm 60	
	MPV fL		7.8 \pm 3.0		8.2 \pm 3.0		8.3 \pm 3.0	
	PCT % *		0.050 \pm 0.050		0.200 \pm 0.100		0.400 \pm 0.200	
	PDW fL *		16.0 \pm 3.0		16.1 \pm 3.0		16.2 \pm 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

BC509**2015-11-10**

Instrument	Parameter	Low		Normal		High		+++
		LOT	BC509L	LOT	BC509N	LOT	BC509H	
BC-5300Vet, BC-5100Vet QC Mode	WBC $10^9/L$		3.35 ± 0.50		7.80 ± 1.00		18.00 ± 2.50	
	Neu x $10^9/L$		1.76 ± 0.35		4.60 ± 0.75		11.70 ± 1.50	
	Lym x $10^9/L$		1.27 ± 0.35		2.22 ± 0.65		3.42 ± 1.30	
	Mon x $10^9/L$		0.17 ± 0.15		0.39 ± 0.35		1.17 ± 0.90	
	Eos x $10^9/L$		0.15 ± 0.14		0.59 ± 0.55		1.71 ± 1.30	
	Neu %		52.5 ± 9.0		59.0 ± 9.0		65.0 ± 8.0	
	Lym %		38.0 ± 9.0		28.5 ± 8.0		19.0 ± 7.0	
	Mon %		5.0 ± 4.0		5.0 ± 4.0		6.5 ± 5.0	
	Eos %		4.5 ± 4.0		7.5 ± 7.0		9.5 ± 7.0	
	RBC x $10^{12}/L$		2.42 ± 0.18		4.50 ± 0.24		5.36 ± 0.30	
	HGB g/L		60 ± 4		132 ± 6		169 ± 8	
	HCT %		19.2 ± 1.5		41.6 ± 2.0		53.3 ± 2.4	
	MCV fL		79.5 ± 5.0		92.5 ± 5.0		99.5 ± 5.0	
	MCH pg		24.8 ± 2.5		29.3 ± 2.5		31.5 ± 2.5	
	MCHC g/L		312 ± 30		317 ± 30		317 ± 30	
	RDW-CV %		16.0 ± 3.0		14.5 ± 3.0		14.0 ± 3.0	
	RDW-SD fL		55.5 ± 8.0		57.5 ± 8.0		60.0 ± 8.0	
	PLT x $10^9/L$		50 ± 20		240 ± 40		485 ± 60	
	MPV fL		9.0 ± 3.0		9.2 ± 3.0		9.3 ± 3.0	
	PCT % *		0.050 ± 0.050		0.215 ± 0.100		0.445 ± 0.200	
PDW fL *		15.9 ± 3.0		16.1 ± 3.0		16.2 ± 3.0		
BC-5000, BC-5150 BC-5000Vet QC Mode	WBC $10^9/L$		3.40 ± 0.50		7.75 ± 1.00		17.60 ± 2.50	
	Neu x $10^9/L$		1.67 ± 0.45		4.36 ± 0.95		11.04 ± 2.15	
	Lym x $10^9/L$		1.25 ± 0.35		1.93 ± 0.65		2.75 ± 1.25	
	Mon x $10^9/L$		0.33 ± 0.33		0.83 ± 0.83		2.02 ± 2.02	
	Eos x $10^9/L$		0.13 ± 0.13		0.54 ± 0.40		1.55 ± 1.25	
	Bas x $10^9/L$		0.02 ± 0.02		0.09 ± 0.09		0.25 ± 0.25	
	Neu %		49.1 ± 12.0		56.3 ± 12.0		62.7 ± 12.0	
	Lym %		36.8 ± 9.0		24.9 ± 8.0		15.6 ± 7.0	
	Mon %		9.8 ± 9.8		10.7 ± 10.7		11.5 ± 11.5	
	Eos %		3.8 ± 3.8		7.0 ± 5.0		8.8 ± 7.0	
	Bas %		0.5 ± 0.5		1.1 ± 1.1		1.4 ± 1.4	
	RBC x $10^{12}/L$		2.38 ± 0.18		4.41 ± 0.24		5.24 ± 0.30	
	HGB g/L		60 ± 4		130 ± 6		167 ± 8	
	HCT %		18.3 ± 1.5		39.2 ± 2.0		50.3 ± 2.4	
	MCV fL		77.0 ± 5.0		89.0 ± 5.0		96.0 ± 5.0	
	MCH pg		25.2 ± 2.5		29.5 ± 2.5		31.9 ± 2.5	
	MCHC g/L		327 ± 30		331 ± 30		332 ± 30	
	RDW-CV %		19.0 ± 3.0		17.5 ± 3.0		17.5 ± 3.0	
	RDW-SD fL		51.0 ± 8.0		54.5 ± 8.0		57.5 ± 8.0	
	PLT x $10^9/L$		50 ± 20		241 ± 40		498 ± 60	
MPV fL		9.5 ± 3.0		9.7 ± 3.0		9.8 ± 3.0		
PCT % *		0.050 ± 0.050		0.230 ± 0.100		0.480 ± 0.200		
PDW fL *		15.7 ± 3.0		16.0 ± 3.0		16.6 ± 3.0		
P-LCC x $10^9/L$ **		15 ± 15		62 ± 25		135 ± 35		
P-LCR % **		25.5 ± 10.0		25.5 ± 10.0		26.5 ± 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