

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0519A

2019-07-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0519AL	LOT	MB0519AN	LOT	MB0519AH
MINDRAY	WBC 10 ⁹ /L		3.65 ± 0.50		7.56 ± 1.00		20.50 ± 2.50
BC-6800, BC-6600	Neu #		1.93 ± 0.36		3.74 ± 0.76		11.07 ± 2.05
	Lym #		0.91 ± 0.29		2.84 ± 0.61		6.77 ± 1.64
QC Mode	Mon #		0.09 ± 0.09		0.30 ± 0.30		0.82 ± 0.72
	Eos #		0.68 ± 0.33		0.60 ± 0.45		1.64 ± 1.23
	Bas #		0.04 ± 0.20		0.08 ± 0.40		0.21 ± 1.05
	IMG #**		0.04 ± 0.40		0.04 ± 0.80		0.10 ± 2.00
	Neu %		53.0 ± 10.0		49.5 ± 10.0		54.0 ± 10.0
	Lym %		25.0 ± 8.0		37.5 ± 8.0		33.0 ± 8.0
	Mon %		2.5 ± 2.5		4.0 ± 4.0		4.0 ± 3.5
	Eos %		18.5 ± 9.0		8.0 ± 6.0		8.0 ± 6.0
	Bas %		1.0 ± 5.0		1.0 ± 5.0		1.0 ± 5.0
	IMG %**		1.0 ± 10.0		0.5 ± 10.0		0.5 ± 10.0
	RBC 10 ¹² /L		2.34 ± 0.18		4.79 ± 0.24		5.69 ± 0.30
	HGB g/L		61 ± 4		135 ± 6		177 ± 8
	HCT %		19.9 ± 1.5		43.6 ± 2.0		57.5 ± 2.4
	MCV fL		85.0 ± 5.0		91.0 ± 5.0		101.0 ± 5.0
	MCH pg		26.1 ± 2.5		28.2 ± 2.5		31.1 ± 2.5
	MCHC g/L		307 ± 30		310 ± 30		308 ± 30
	RDW-CV %		16.2 ± 3.0		15.3 ± 3.0		13.8 ± 3.0
	RDW-SD fL		48.0 ± 6.0		50.0 ± 6.0		51.0 ± 8.0
	PLT 10 ⁹ /L		50 ± 20		200 ± 40		395 ± 60
	MPV fL		9.6 ± 3.0		10.5 ± 3.0		12.0 ± 3.0
	PDW		17.0 ± 3.0		16.7 ± 3.0		16.6 ± 3.0
	PCT %		0.050 ± 0.050		0.215 ± 0.100		0.475 ± 0.200
	P-LCC 10 ⁹ /L		15 ± 8		60 ± 24		160 ± 50
	P-LCR %		27.0 ± 10.0		30.5 ± 10.0		40.0 ± 10.0
	NRBC #		0.402 ± 0.402		0.378 ± 0.378		0.615 ± 0.615
	NRBC %		11.00 ± 11.00		5.00 ± 5.00		3.00 ± 3.00

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

*Research use only.

**Software version 1.9 or higher.

Instrument	Parameter	Low		Normal		High	
		LOT	MB0519AL	LOT	MB0519AN	LOT	MB0519AH
MINDRAY	WBC 10 ⁹ /L		3.51 ± 0.80		7.35 ± 1.00		20.26 ± 2.50
BC-6000, BC-6100, BC-6200, BC-6000Plus, BC-6100Plus	Neu #		1.91 ± 0.50		3.71 ± 0.80		11.10 ± 2.00
	Lym #		0.92 ± 0.40		2.74 ± 0.80		6.65 ± 1.60
	Mon #		0.08 ± 0.12		0.32 ± 0.38		0.93 ± 0.80
	Eos #		0.59 ± 0.30		0.57 ± 0.50		1.56 ± 1.20
	Bas #		0.01 ± 0.10		0.01 ± 0.10		0.02 ± 0.29
	IMG #		0.01 ± 0.50		0.04 ± 0.90		0.08 ± 2.20
	Neu %		54.3 ± 12.0		50.4 ± 10.0		54.8 ± 10.0
QC Mode	Lym %		26.2 ± 9.5		37.3 ± 10.0		32.8 ± 8.0
	Mon %		2.4 ± 3.0		4.4 ± 4.0		4.6 ± 3.5
	Eos %		16.9 ± 7.0		7.7 ± 6.0		7.7 ± 6.0
	Bas %		0.2 ± 1.0		0.2 ± 1.0		0.1 ± 1.5
	IMG %		0.4 ± 10.0		0.5 ± 10.0		0.4 ± 10.0
	RBC 10 ¹² /L		2.36 ± 0.18		4.85 ± 0.24		5.80 ± 0.30
	HGB g/L		60 ± 4		135 ± 6		178 ± 8
	HCT %		19.7 ± 2.0		43.5 ± 2.5		57.2 ± 3.0
	MCV fL		83.5 ± 5.0		89.6 ± 5.0		98.7 ± 5.0
	MCH pg		25.4 ± 2.5		27.8 ± 2.5		30.7 ± 2.5
	MCHC g/L		304 ± 30		311 ± 30		311 ± 30
	RDW-CV %		16.7 ± 5.0		15.1 ± 5.0		13.9 ± 6.0
	RDW-SD fL		49.7 ± 10.0		49.1 ± 10.0		49.6 ± 12.0
	PLT 10 ⁹ /L		58 ± 20		205 ± 45		403 ± 65
	MPV fL		9.9 ± 3.0		10.6 ± 3.0		12.0 ± 3.0
	PDW		16.3 ± 5.0		16.4 ± 5.0		16.4 ± 5.0
	PCT %		0.057 ± 0.050		0.217 ± 0.100		0.484 ± 0.200
	P-LCC 10 ⁹ /L		15 ± 8		61 ± 24		155 ± 50
	P-LCR %		25.8 ± 10.0		29.6 ± 10.0		38.5 ± 10.0
	NRBC #		0.333 ± 0.300		0.340 ± 0.500		0.579 ± 0.300
	NRBC %		9.48 ± 10.00		4.63 ± 10.00		2.86 ± 10.00

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MINDRAY	WBC $10^9/L$		3.67 \pm 0.80		7.27 \pm 1.00		20.15 \pm 2.50
	Neu #		1.96 \pm 0.50		3.68 \pm 0.80		10.98 \pm 2.00
BC-6800Plus,	Lym #		0.99 \pm 0.40		2.75 \pm 0.80		6.79 \pm 1.60
	Mon #		0.08 \pm 0.12		0.27 \pm 0.38		0.77 \pm 0.80
BC-6700Plus,	Eos #		0.63 \pm 0.30		0.55 \pm 0.50		1.57 \pm 1.20
	Bas #		0.01 \pm 0.10		0.02 \pm 0.10		0.04 \pm 0.29
BC-6600Plus	IMG #		0.01 \pm 0.50		0.04 \pm 0.90		0.06 \pm 2.20
	Neu %		53.6 \pm 12.0		50.6 \pm 10.0		54.5 \pm 10.0
QC Mode	Lym %		26.9 \pm 9.5		37.8 \pm 10.0		33.7 \pm 8.0
	Mon %		2.1 \pm 3.0		3.7 \pm 4.0		3.8 \pm 3.5
	Eos %		17.2 \pm 7.0		7.6 \pm 6.0		7.8 \pm 6.0
	Bas %		0.2 \pm 1.0		0.3 \pm 1.0		0.2 \pm 1.5
	IMG %		0.4 \pm 10.0		0.5 \pm 10.0		0.3 \pm 10.0
	RBC $10^{12}/L$		2.35 \pm 0.18		4.80 \pm 0.24		5.71 \pm 0.30
	HGB g/L		60 \pm 4		134 \pm 6		176 \pm 8
	HCT %		19.3 \pm 2.0		43.3 \pm 2.5		57.6 \pm 3.0
	MCV fL		82.3 \pm 5.0		90.2 \pm 5.0		100.8 \pm 5.0
	MCH pg		25.5 \pm 2.5		27.9 \pm 2.5		30.8 \pm 2.5
	MCHC g/L		310 \pm 30		309 \pm 30		306 \pm 30
	RDW-CV %		16.4 \pm 5.0		15.2 \pm 5.0		14.1 \pm 6.0
	RDW-SD fL		48.1 \pm 10.0		49.1 \pm 10.0		50.6 \pm 12.0
	PLT $10^9/L$		53 \pm 20		202 \pm 45		403 \pm 65
	MPV fL		9.3 \pm 3.0		10.5 \pm 3.0		12.0 \pm 3.0
	PDW		16.3 \pm 5.0		16.4 \pm 5.0		16.5 \pm 5.0
	PCT %		0.049 \pm 0.050		0.212 \pm 0.100		0.484 \pm 0.200
	P-LCC $10^9/L$		13 \pm 8		60 \pm 24		161 \pm 50
	P-LCR %		24.4 \pm 10.0		29.9 \pm 10.0		39.9 \pm 10.0
	NRBC #		0.356 \pm 0.300		0.325 \pm 0.500		0.544 \pm 0.300
	NRBC %		9.71 \pm 10.00		4.47 \pm 10.00		2.70 \pm 10.00

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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 26582479 26582888

Fax: +86 755 26582934 26582500

EC REP

Shanghai International Holding Corp. GmbH (Europe)

Eiffestraße 80 20537 Hamburg, Germany

Tel: 0049-40-2513175

Fax: 0049-40-255726



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