

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0319A

2019-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0319AL	LOT	MB0319AN	LOT	MB0319AH
MINDRAY	WBC 10 ⁹ /L		3.80 ± 0.50		7.70 ± 1.00		20.00 ± 2.50
BC-6800, BC-6600 QC Mode	Neu #		2.11 ± 0.38		3.66 ± 0.77		10.40 ± 2.00
	Lym #		0.99 ± 0.30		2.85 ± 0.62		6.50 ± 1.60
	Mon #		0.17 ± 0.15		0.54 ± 0.46		1.70 ± 1.20
	Eos #		0.49 ± 0.34		0.58 ± 0.46		1.20 ± 1.20
	Bas #		0.04 ± 0.20		0.08 ± 0.40		0.20 ± 1.00
	IMG #**		0.06 ± 0.40		0.04 ± 0.80		0.20 ± 2.00
	Neu %		55.5 ± 10.0		47.5 ± 10.0		52.0 ± 10.0
	Lym %		26.0 ± 8.0		37.0 ± 8.0		32.5 ± 8.0
	Mon %		4.5 ± 4.0		7.0 ± 6.0		8.5 ± 6.0
	Eos %		13.0 ± 9.0		7.5 ± 6.0		6.0 ± 6.0
	Bas %		1.0 ± 5.0		1.0 ± 5.0		1.0 ± 5.0
	IMG %**		1.5 ± 10.0		0.5 ± 10.0		1.0 ± 10.0
	RBC 10 ¹² /L		2.36 ± 0.18		4.68 ± 0.24		5.59 ± 0.30
	HGB g/L		61 ± 4		134 ± 6		175 ± 8
	HCT %		19.7 ± 1.5		43.1 ± 2.0		56.5 ± 2.4
	MCV fL		83.5 ± 5.0		92.0 ± 5.0		101.0 ± 5.0
	MCH pg		25.8 ± 2.5		28.6 ± 2.5		31.3 ± 2.5
	MCHC g/L		310 ± 30		311 ± 30		310 ± 30
	RDW-CV %		16.0 ± 3.0		14.9 ± 3.0		14.0 ± 3.0
	RDW-SD fL		47.0 ± 6.0		49.5 ± 6.0		51.0 ± 8.0
	PLT 10 ⁹ /L		50 ± 20		204 ± 40		400 ± 60
	MPV fL		9.5 ± 3.0		10.5 ± 3.0		11.5 ± 3.0
	PDW		16.5 ± 3.0		16.2 ± 3.0		17.0 ± 3.0
	PCT %		0.050 ± 0.050		0.215 ± 0.100		0.465 ± 0.200
	P-LCC 10 ⁹ /L		15 ± 8		67 ± 24		157 ± 50
	P-LCR %		30.0 ± 10.0		32.5 ± 10.0		39.5 ± 10.0
	NRBC #		0.357 ± 0.357		0.385 ± 0.385		0.600 ± 0.600
	NRBC %		9.40 ± 9.40		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	MB0319AL	LOT	MB0319AN	LOT	MB0319AH
MINDRAY	WBC 10 ⁹ /L		3.72 ± 0.80		7.59 ± 1.00		20.47 ± 2.50
BC-6000, BC-6100, BC-6200, BC-6000Plus, BC-6100Plus	Neu #		2.12 ± 0.50		3.68 ± 0.80		10.59 ± 2.00
	Lym #		0.97 ± 0.40		2.76 ± 0.80		6.71 ± 1.60
	Mon #		0.18 ± 0.12		0.55 ± 0.38		1.72 ± 0.80
	Eos #		0.45 ± 0.30		0.58 ± 0.50		1.41 ± 1.20
	Bas #		0.00 ± 0.10		0.02 ± 0.10		0.04 ± 0.29
	IMG #		0.01 ± 0.50		0.03 ± 0.90		0.08 ± 2.20
	Neu %		56.7 ± 12.0		48.6 ± 10.0		51.7 ± 10.0
QC Mode	Lym %		26.2 ± 9.5		36.3 ± 10.0		32.8 ± 8.0
	Mon %		4.8 ± 3.0		7.3 ± 4.0		8.4 ± 3.5
	Eos %		12.2 ± 7.0		7.6 ± 6.0		6.9 ± 6.0
	Bas %		0.1 ± 1.0		0.2 ± 1.0		0.2 ± 1.5
	IMG %		0.4 ± 10.0		0.4 ± 10.0		0.4 ± 10.0
	RBC 10 ¹² /L		2.42 ± 0.18		4.79 ± 0.24		5.73 ± 0.30
	HGB g/L		61 ± 4		135 ± 6		176 ± 8
	HCT %		19.8 ± 2.0		43.1 ± 2.5		56.6 ± 3.0
	MCV fL		81.9 ± 5.0		90.0 ± 5.0		98.8 ± 5.0
	MCH pg		25.2 ± 2.5		28.2 ± 2.5		30.7 ± 2.5
	MCHC g/L		308 ± 30		313 ± 30		311 ± 30
	RDW-CV %		16.0 ± 5.0		14.8 ± 5.0		13.8 ± 6.0
	RDW-SD fL		47.3 ± 10.0		48.9 ± 10.0		50.1 ± 12.0
	PLT 10 ⁹ /L		58 ± 20		208 ± 45		408 ± 65
	MPV fL		10.2 ± 3.0		11.0 ± 3.0		11.7 ± 3.0
	PDW		16.2 ± 5.0		16.0 ± 5.0		17.0 ± 5.0
	PCT %		0.059 ± 0.050		0.229 ± 0.100		0.477 ± 0.200
	P-LCC 10 ⁹ /L		16 ± 8		69 ± 24		159 ± 50
	P-LCR %		27.3 ± 10.0		33.0 ± 10.0		38.9 ± 10.0
	NRBC #		0.327 ± 0.300		0.351 ± 0.500		0.557 ± 0.300
	NRBC %		8.79 ± 10.00		4.62 ± 10.00		2.72 ± 10.00

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MINDRAY	WBC 10 ⁹ /L		3.80 ± 0.80		7.57 ± 1.00		20.23 ± 2.50
	Neu #		2.13 ± 0.50		3.65 ± 0.80		10.07 ± 2.00
BC-6800Plus,	Lym #		1.03 ± 0.40		2.89 ± 0.80		6.96 ± 1.60
BC-6700Plus,	Mon #		0.16 ± 0.12		0.46 ± 0.38		1.44 ± 0.80
BC-6600Plus	Eos #		0.47 ± 0.30		0.55 ± 0.50		1.68 ± 1.20
QC Mode	Bas #		0.01 ± 0.10		0.02 ± 0.10		0.08 ± 0.29
	IMG #		0.02 ± 0.50		0.03 ± 0.90		0.08 ± 2.20
	Neu %		56.3 ± 12.0		48.3 ± 10.0		49.8 ± 10.0
	Lym %		27.1 ± 9.5		38.2 ± 10.0		34.4 ± 8.0
	Mon %		4.1 ± 3.0		6.1 ± 4.0		7.1 ± 3.5
	Eos %		12.3 ± 7.0		7.2 ± 6.0		8.3 ± 6.0
	Bas %		0.2 ± 1.0		0.2 ± 1.0		0.4 ± 1.5
	IMG %		0.4 ± 10.0		0.4 ± 10.0		0.4 ± 10.0
	RBC 10 ¹² /L		2.38 ± 0.18		4.75 ± 0.24		5.64 ± 0.30
	HGB g/L		61 ± 4		134 ± 6		174 ± 8
	HCT %		19.5 ± 2.0		43.4 ± 2.5		57.1 ± 3.0
	MCV fL		81.8 ± 5.0		91.4 ± 5.0		101.2 ± 5.0
	MCH pg		25.6 ± 2.5		28.2 ± 2.5		30.9 ± 2.5
	MCHC g/L		313 ± 30		309 ± 30		305 ± 30
	RDW-CV %		15.7 ± 5.0		14.9 ± 5.0		14.1 ± 6.0
	RDW-SD fL		46.1 ± 10.0		48.9 ± 10.0		51.3 ± 12.0
	PLT 10 ⁹ /L		56 ± 20		206 ± 45		396 ± 65
	MPV fL		9.7 ± 3.0		10.6 ± 3.0		11.7 ± 3.0
	PDW		16.3 ± 5.0		16.0 ± 5.0		17.1 ± 5.0
	PCT %		0.054 ± 0.050		0.218 ± 0.100		0.463 ± 0.200
	P-LCC 10 ⁹ /L		14 ± 8		66 ± 24		158 ± 50
	P-LCR %		25.8 ± 10.0		32.0 ± 10.0		39.9 ± 10.0
	NRBC #		0.316 ± 0.300		0.350 ± 0.500		0.564 ± 0.300
	NRBC %		8.32 ± 10.00		4.63 ± 10.00		2.79 ± 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

CE **IVD**

P/N: 046-003618-00 (5.0)