

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0719A

2019-09-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0719AL	LOT	MB0719AN	LOT	MB0719AH
MINDRAY	WBC 10 ⁹ /L		3.85 ± 0.50		7.40 ± 1.00		20.10 ± 2.50
BC-6800, BC-6600 QC Mode	Neu #		2.21 ± 0.39		3.55 ± 0.74		10.75 ± 2.01
	Lym #		0.90 ± 0.31		2.78 ± 0.60		6.33 ± 1.61
	Mon #		0.13 ± 0.13		0.48 ± 0.48		1.11 ± 1.01
	Eos #		0.56 ± 0.35		0.52 ± 0.52		1.71 ± 1.41
	Bas #		0.04 ± 0.20		0.07 ± 0.35		0.20 ± 1.00
	IMG #**		0.04 ± 0.40		0.07 ± 0.70		0.20 ± 2.00
	Neu %		57.5 ± 10.0		48.0 ± 10.0		53.5 ± 10.0
	Lym %		23.5 ± 8.0		37.5 ± 8.0		31.5 ± 8.0
	Mon %		3.5 ± 3.5		6.5 ± 6.5		5.5 ± 5.0
	Eos %		14.5 ± 9.0		7.0 ± 7.0		8.5 ± 7.0
	Bas %		1.0 ± 5.0		1.0 ± 5.0		1.0 ± 5.0
	IMG %**		1.0 ± 10.0		1.0 ± 10.0		1.0 ± 10.0
	RBC 10 ¹² /L		2.37 ± 0.18		4.58 ± 0.24		5.65 ± 0.30
	HGB g/L		62 ± 4		134 ± 6		178 ± 8
	HCT %		20.3 ± 1.5		43.5 ± 2.0		57.9 ± 2.4
	MCV fL		85.5 ± 5.0		95.0 ± 5.0		102.5 ± 5.0
	MCH pg		26.2 ± 2.5		29.3 ± 2.5		31.5 ± 2.5
	MCHC g/L		306 ± 30		308 ± 30		307 ± 30
	RDW-CV %		16.0 ± 3.0		14.0 ± 3.0		14.0 ± 3.0
	RDW-SD fL		48.0 ± 6.0		48.5 ± 6.0		51.0 ± 8.0
	PLT 10 ⁹ /L		51 ± 20		228 ± 40		380 ± 60
	MPV fL		10.1 ± 3.0		9.9 ± 3.0		11.5 ± 3.0
	PDW		16.5 ± 3.0		16.7 ± 3.0		16.4 ± 3.0
	PCT %		0.050 ± 0.050		0.225 ± 0.100		0.435 ± 0.200
	P-LCC 10 ⁹ /L		15 ± 8		62 ± 24		141 ± 50
	P-LCR %		29.0 ± 10.0		27.0 ± 10.0		37.0 ± 10.0
	NRBC #		0.366 ± 0.366		0.370 ± 0.370		0.603 ± 0.603
	NRBC %		9.50 ± 9.50		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	MB0719AL	LOT	MB0719AN	LOT	MB0719AH
MINDRAY	WBC 10 ⁹ /L		3.73 ± 0.80		7.31 ± 1.00		20.01 ± 2.50
BC-6000, BC-6100, BC-6200, BC-6000Plus, BC-6100Plus	Neu #		2.18 ± 0.50		3.61 ± 0.80		10.93 ± 2.00
	Lym #		0.88 ± 0.40		2.69 ± 0.80		6.34 ± 1.60
	Mon #		0.12 ± 0.12		0.49 ± 0.38		1.06 ± 0.80
	Eos #		0.54 ± 0.30		0.51 ± 0.50		1.64 ± 1.20
	Bas #		0.01 ± 0.10		0.01 ± 0.10		0.04 ± 0.29
	IMG #		0.03 ± 0.50		0.03 ± 0.90		0.16 ± 2.20
	Neu %		58.4 ± 12.0		49.4 ± 10.0		54.6 ± 10.0
QC Mode	Lym %		23.6 ± 9.5		36.8 ± 10.0		31.7 ± 8.0
	Mon %		3.2 ± 3.0		6.7 ± 4.0		5.3 ± 3.5
	Eos %		14.6 ± 7.0		7.0 ± 6.0		8.2 ± 6.0
	Bas %		0.2 ± 1.0		0.1 ± 1.0		0.2 ± 1.5
	IMG %		0.9 ± 10.0		0.4 ± 10.0		0.8 ± 10.0
	RBC 10 ¹² /L		2.43 ± 0.18		4.67 ± 0.24		5.78 ± 0.30
	HGB g/L		61 ± 4		133 ± 6		177 ± 8
	HCT %		20.4 ± 2.0		43.2 ± 2.5		57.6 ± 3.0
	MCV fL		84.0 ± 5.0		92.5 ± 5.0		99.6 ± 5.0
	MCH pg		25.1 ± 2.5		28.5 ± 2.5		30.6 ± 2.5
	MCHC g/L		299 ± 30		308 ± 30		307 ± 30
	RDW-CV %		16.6 ± 5.0		14.5 ± 5.0		14.0 ± 6.0
	RDW-SD fL		49.6 ± 10.0		48.6 ± 10.0		50.4 ± 12.0
	PLT 10 ⁹ /L		54 ± 20		246 ± 45		396 ± 65
	MPV fL		10.3 ± 3.0		9.9 ± 3.0		11.3 ± 3.0
	PDW		16.1 ± 5.0		16.5 ± 5.0		16.4 ± 5.0
	PCT %		0.056 ± 0.050		0.244 ± 0.100		0.447 ± 0.200
	P-LCC 10 ⁹ /L		15 ± 8		62 ± 24		141 ± 50
	P-LCR %		28.4 ± 10.0		25.2 ± 10.0		35.5 ± 10.0
	NRBC #		0.317 ± 0.300		0.348 ± 0.500		0.562 ± 0.300
	NRBC %		8.49 ± 10.00		4.76 ± 10.00		2.81 ± 10.00

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		LOT	MB0719AL	LOT	MB0719AN	LOT	MB0719AH
MINDRAY	WBC 10 ⁹ /L		3.90 ± 0.80		7.18 ± 1.00		19.95 ± 2.50
	Neu #		2.26 ± 0.50		3.44 ± 0.80		10.75 ± 2.00
BC-6800Plus, BC-6700Plus, BC-6600Plus	Lym #		0.96 ± 0.40		2.86 ± 0.80		6.60 ± 1.60
	Mon #		0.11 ± 0.12		0.34 ± 0.38		0.90 ± 0.80
QC Mode	Eos #		0.56 ± 0.30		0.52 ± 0.50		1.64 ± 1.20
	Bas #		0.01 ± 0.10		0.02 ± 0.10		0.06 ± 0.29
	IMG #		0.03 ± 0.50		0.03 ± 0.90		0.14 ± 2.20
	Neu %		58.3 ± 12.0		47.9 ± 10.0		53.9 ± 10.0
	Lym %		24.5 ± 9.5		39.8 ± 10.0		33.1 ± 8.0
	Mon %		2.7 ± 3.0		4.8 ± 4.0		4.5 ± 3.5
	Eos %		14.3 ± 7.0		7.2 ± 6.0		8.2 ± 6.0
	Bas %		0.2 ± 1.0		0.3 ± 1.0		0.3 ± 1.5
	IMG %		0.7 ± 10.0		0.4 ± 10.0		0.7 ± 10.0
	RBC 10 ¹² /L		2.39 ± 0.18		4.62 ± 0.24		5.69 ± 0.30
	HGB g/L		61 ± 4		133 ± 6		176 ± 8
	HCT %		19.9 ± 2.0		43.4 ± 2.5		58.1 ± 3.0
	MCV fL		83.4 ± 5.0		93.9 ± 5.0		102.1 ± 5.0
	MCH pg		25.5 ± 2.5		28.8 ± 2.5		30.9 ± 2.5
	MCHC g/L		306 ± 30		307 ± 30		303 ± 30
	RDW-CV %		16.2 ± 5.0		14.5 ± 5.0		14.2 ± 6.0
	RDW-SD fL		47.9 ± 10.0		48.3 ± 10.0		51.2 ± 12.0
	PLT 10 ⁹ /L		54 ± 20		233 ± 45		392 ± 65
	MPV fL		10.0 ± 3.0		9.8 ± 3.0		11.4 ± 3.0
	PDW		16.1 ± 5.0		16.5 ± 5.0		16.4 ± 5.0
	PCT %		0.054 ± 0.050		0.228 ± 0.100		0.447 ± 0.200
	P-LCC 10 ⁹ /L		15 ± 8		59 ± 24		144 ± 50
	P-LCR %		28.2 ± 10.0		25.5 ± 10.0		36.7 ± 10.0
	NRBC #		0.326 ± 0.300		0.333 ± 0.500		0.549 ± 0.300
	NRBC %		8.37 ± 10.00		4.64 ± 10.00		2.75 ± 10.00

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