

# BC-6D

## HEMATOLOGY CONTROLS

**CONTROL**

ASSAY VALUES AND EXPECTED RANGES

**LOT MB0919A**

**2019-11-10**

Instrument	Parameter	Low		Normal		High	
		LOT	MB0919AL	LOT	MB0919AN	LOT	MB0919AH
<b>MINDRAY</b>	WBC 10 <sup>9</sup> /L		3.75 ± 0.50		7.30 ± 1.00		20.00 ± 2.50
<b>BC-6800, BC-6600</b>	Neu #		2.14 ± 0.38		3.58 ± 0.73		10.50 ± 2.00
	Lym #		0.94 ± 0.30		2.63 ± 0.58		6.50 ± 1.60
<b>QC Mode</b>	Mon #		0.13 ± 0.13		0.40 ± 0.40		1.10 ± 1.10
	Eos #		0.51 ± 0.34		0.62 ± 0.51		1.70 ± 1.40
	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 %		57.0 ± 10.0		49.0 ± 10.0		52.5 ± 10.0
	Lym %		25.0 ± 8.0		36.0 ± 8.0		32.5 ± 8.0
	Mon %		3.5 ± 3.5		5.5 ± 5.5		5.5 ± 5.5
	Eos %		13.5 ± 9.0		8.5 ± 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 <sup>12</sup> /L		2.45 ± 0.18		4.58 ± 0.24		5.59 ± 0.30
	HGB g/L		61 ± 4		135 ± 6		177 ± 8
	HCT %		20.0 ± 1.5		43.7 ± 2.0		57.6 ± 2.4
	MCV fL		81.5 ± 5.0		95.5 ± 5.0		103.0 ± 5.0
	MCH pg		24.9 ± 2.5		29.5 ± 2.5		31.7 ± 2.5
	MCHC g/L		305 ± 30		309 ± 30		307 ± 30
	RDW-CV %		16.5 ± 3.0		14.5 ± 3.0		13.5 ± 3.0
	RDW-SD fL		47.5 ± 6.0		50.5 ± 6.0		51.0 ± 8.0
	PLT 10 <sup>9</sup> /L		52 ± 20		198 ± 40		389 ± 60
	MPV fL		9.8 ± 3.0		10.5 ± 3.0		10.5 ± 3.0
	PDW		17.0 ± 3.0		16.9 ± 3.0		16.8 ± 3.0
	PCT %		0.050 ± 0.050		0.210 ± 0.100		0.410 ± 0.200
	P-LCC 10 <sup>9</sup> /L		15 ± 8		62 ± 24		127 ± 50
	P-LCR %		28.0 ± 10.0		31.5 ± 10.0		32.5 ± 10.0
	NRBC #		0.356 ± 0.356		0.402 ± 0.402		0.600 ± 0.600
	NRBC %		9.50 ± 9.50		5.50 ± 5.50		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	MB0919AL	LOT	MB0919AN	LOT	MB0919AH
<b>MINDRAY</b>	WBC 10 <sup>9</sup> /L		3.68 ± 0.80		7.27 ± 1.00		20.76 ± 2.50
<b>BC-6000,</b>	Neu #		2.16 ± 0.50		3.62 ± 0.80		11.05 ± 2.00
	Lym #		0.91 ± 0.40		2.62 ± 0.80		6.91 ± 1.60
<b>BC-6100,</b>	Mon #		0.14 ± 0.12		0.39 ± 0.38		1.04 ± 0.80
	Eos #		0.46 ± 0.30		0.63 ± 0.50		1.72 ± 1.20
<b>BC-6200,</b>	Bas #		0.01 ± 0.10		0.01 ± 0.10		0.04 ± 0.29
	IMG #		0.02 ± 0.50		0.04 ± 0.90		0.15 ± 2.20
<b>BC-6000Plus,</b>	Neu %		58.6 ± 12.0		49.8 ± 10.0		53.2 ± 10.0
	Lym %		24.8 ± 9.5		36.1 ± 10.0		33.3 ± 8.0
<b>BC-6100Plus</b>	Mon %		3.8 ± 3.0		5.4 ± 4.0		5.0 ± 3.5
	Eos %		12.6 ± 7.0		8.6 ± 6.0		8.3 ± 6.0
	Bas %		0.2 ± 1.0		0.1 ± 1.0		0.2 ± 1.5
	IMG %		0.6 ± 10.0		0.6 ± 10.0		0.7 ± 10.0
	RBC 10 <sup>12</sup> /L		2.51 ± 0.18		4.72 ± 0.24		5.72 ± 0.30
	HGB g/L		61 ± 4		135 ± 6		177 ± 8
	HCT %		20.4 ± 2.0		44.1 ± 2.5		57.4 ± 3.0
	MCV fL		81.1 ± 5.0		93.4 ± 5.0		100.3 ± 5.0
	MCH pg		24.3 ± 2.5		28.6 ± 2.5		30.9 ± 2.5
	MCHC g/L		300 ± 30		306 ± 30		309 ± 30
	RDW-CV %		17.0 ± 5.0		15.0 ± 5.0		13.7 ± 6.0
	RDW-SD fL		49.1 ± 10.0		50.7 ± 10.0		50.1 ± 12.0
	PLT 10 <sup>9</sup> /L		56 ± 20		214 ± 45		425 ± 65
	MPV fL		10.1 ± 3.0		10.8 ± 3.0		10.4 ± 3.0
	PDW		16.7 ± 5.0		16.7 ± 5.0		16.7 ± 5.0
	PCT %		0.057 ± 0.050		0.231 ± 0.100		0.442 ± 0.200
	P-LCC 10 <sup>9</sup> /L		16 ± 8		67 ± 24		132 ± 50
	P-LCR %		28.6 ± 10.0		31.1 ± 10.0		31.0 ± 10.0
	NRBC #		0.322 ± 0.300		0.387 ± 0.500		0.569 ± 0.300
	NRBC %		8.75 ± 10.00		5.32 ± 10.00		2.74 ± 10.00

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0919AL	LOT	MB0919AN	LOT	MB0919AH
MINDRAY	WBC 10 <sup>9</sup> /L		3.77 ± 0.80		7.14 ± 1.00		20.24 ± 2.50
	Neu #		2.19 ± 0.50		3.52 ± 0.80		10.69 ± 2.00
BC-6800Plus, BC-6700Plus, BC-6600Plus	Lym #		0.97 ± 0.40		2.65 ± 0.80		6.92 ± 1.60
	Mon #		0.12 ± 0.12		0.35 ± 0.38		0.89 ± 0.80
QC Mode	Eos #		0.48 ± 0.30		0.61 ± 0.50		1.68 ± 1.20
	Bas #		0.01 ± 0.10		0.01 ± 0.10		0.06 ± 0.29
	IMG #		0.02 ± 0.50		0.04 ± 0.90		0.10 ± 2.20
	Neu %		58.3 ± 12.0		49.2 ± 10.0		52.8 ± 10.0
	Lym %		25.6 ± 9.5		37.1 ± 10.0		34.2 ± 8.0
	Mon %		3.2 ± 3.0		4.9 ± 4.0		4.4 ± 3.5
	Eos %		12.7 ± 7.0		8.6 ± 6.0		8.3 ± 6.0
	Bas %		0.2 ± 1.0		0.2 ± 1.0		0.3 ± 1.5
	IMG %		0.6 ± 10.0		0.5 ± 10.0		0.5 ± 10.0
	RBC 10 <sup>12</sup> /L		2.51 ± 0.18		4.66 ± 0.24		5.66 ± 0.30
	HGB g/L		60 ± 4		134 ± 6		175 ± 8
	HCT %		20.1 ± 2.0		43.9 ± 2.5		57.9 ± 3.0
	MCV fL		79.9 ± 5.0		94.1 ± 5.0		102.3 ± 5.0
	MCH pg		23.9 ± 2.5		28.8 ± 2.5		30.9 ± 2.5
	MCHC g/L		299 ± 30		306 ± 30		302 ± 30
	RDW-CV %		16.7 ± 5.0		15.0 ± 5.0		13.9 ± 6.0
	RDW-SD fL		47.1 ± 10.0		50.3 ± 10.0		50.4 ± 12.0
	PLT 10 <sup>9</sup> /L		53 ± 20		204 ± 45		395 ± 65
	MPV fL		9.6 ± 3.0		10.5 ± 3.0		10.6 ± 3.0
	PDW		16.5 ± 5.0		16.8 ± 5.0		16.7 ± 5.0
	PCT %		0.051 ± 0.050		0.214 ± 0.100		0.419 ± 0.200
	P-LCC 10 <sup>9</sup> /L		14 ± 8		62 ± 24		126 ± 50
	P-LCR %		26.7 ± 10.0		30.6 ± 10.0		31.8 ± 10.0
	NRBC #		0.324 ± 0.300		0.376 ± 0.500		0.553 ± 0.300
	NRBC %		8.59 ± 10.00		5.26 ± 10.00		2.73 ± 10.00

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