


# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

## ASSAY VALUES AND EXPECTED RANGES

LOT MB1123A

 2024-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-6800, BC-6600 QC Mode	WBC	x 10 <sup>9</sup> /L	3.79 ± 0.50		7.40 ± 1.00		20.40 ± 2.50
	Neu#	x 10 <sup>9</sup> /L	2.16 ± 0.38		3.54 ± 0.74		10.89 ± 2.04
	Lym#	x 10 <sup>9</sup> /L	0.95 ± 0.31		2.77 ± 0.60		6.53 ± 1.64
	Mon#	x 10 <sup>9</sup> /L	0.11 ± 0.11		0.38 ± 0.38		1.12 ± 1.12
	Eos#	x 10 <sup>9</sup> /L	0.53 ± 0.35		0.64 ± 0.49		1.57 ± 1.57
	Bas#	x 10 <sup>9</sup> /L	0.04 ± 0.20		0.07 ± 0.35		0.29 ± 1.04
	Neu%	%	57.1 ± 10.0		47.9 ± 10.0		53.4 ± 10.0
	Lym%	%	25.0 ± 8.0		37.4 ± 8.0		32.0 ± 8.0
	Mon%	%	2.9 ± 2.9		5.1 ± 5.1		5.5 ± 5.5
	Eos%	%	14.0 ± 9.0		8.6 ± 6.5		7.7 ± 7.7
	Bas%	%	1.0 ± 5.0		1.0 ± 5.0		1.4 ± 5.0
	RBC	x 10 <sup>12</sup> /L	2.37 ± 0.18		4.30 ± 0.24		5.08 ± 0.30
	HGB	g/dL	6.1 ± 0.4		12.5 ± 0.6		15.9 ± 0.8
	HCT	%	19.9 ± 1.5		40.1 ± 2.0		51.3 ± 2.4
	MCV	fL	83.8 ± 5.0		93.3 ± 5.0		101.0 ± 5.0
	MCH	pg	25.7 ± 2.5		29.1 ± 2.5		31.3 ± 2.5
	MCHC	g/dL	30.7 ± 3.0		31.2 ± 3.0		31.0 ± 3.0
	RDW-CV	%	17.0 ± 3.0		14.9 ± 3.0		14.2 ± 3.0
	RDW-SD	fL	50.8 ± 6.0		49.7 ± 6.0		51.1 ± 8.0
	PLT	x 10 <sup>9</sup> /L	50 ± 20		193 ± 40		395 ± 60
	MPV	fL	9.8 ± 3.0		11.5 ± 3.0		10.2 ± 3.0
	PDW		16.1 ± 3.0		16.9 ± 3.0		16.5 ± 3.0
	PCT	%	0.049 ± 0.049		0.222 ± 0.100		0.403 ± 0.200
	P-LCR	%	27.1 ± 10.0		35.5 ± 10.0		27.9 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	14 ± 8		69 ± 24		110 ± 50
	IMG# *	x 10 <sup>9</sup> /L	0.04 ± 0.40		0.07 ± 0.70		0.27 ± 2.08
	IMG% *	%	1.0 ± 10.0		1.0 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.372 ± 0.372		0.356 ± 0.356		0.549 ± 0.549
	NRBC%	/100 WBC	9.82 ± 9.82		4.81 ± 4.81		2.69 ± 2.69

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

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\* Software version 1.09 or higher

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Instrument	Parameter	Low		Normal		High	
		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-6800Plus	WBC	x 10 <sup>9</sup> /L	3.78 ± 0.50		7.40 ± 1.00		20.71 ± 2.50
BC-6700Plus	Neu#	x 10 <sup>9</sup> /L	2.18 ± 0.38		3.54 ± 0.75		11.07 ± 2.08
BC-6600Plus	Lym#	x 10 <sup>9</sup> /L	0.94 ± 0.31		2.82 ± 0.60		6.81 ± 1.66
QC Mode	Mon#	x 10 <sup>9</sup> /L	0.11 ± 0.11		0.34 ± 0.34		0.99 ± 0.99
	Eos#	x 10 <sup>9</sup> /L	0.51 ± 0.35		0.63 ± 0.52		1.57 ± 1.57
	Bas#	x 10 <sup>9</sup> /L	0.04 ± 0.04		0.07 ± 0.07		0.27 ± 0.27
	Neu%	%	57.8 ± 10.0		47.8 ± 10.0		53.4 ± 10.0
	Lym%	%	24.9 ± 8.0		38.1 ± 8.0		32.9 ± 8.0
	Mon%	%	2.9 ± 2.9		4.6 ± 4.6		4.8 ± 4.8
	Eos%	%	13.4 ± 9.0		8.5 ± 7.0		7.6 ± 7.6
	Bas%	%	1.0 ± 1.0		1.0 ± 1.0		1.3 ± 1.3
	RBC	x 10 <sup>12</sup> /L	2.37 ± 0.18		4.29 ± 0.24		5.06 ± 0.30
	HGB	g/dL	6.1 ± 0.4		12.4 ± 0.6		15.8 ± 0.8
	HCT	%	19.8 ± 1.5		40.2 ± 2.0		51.3 ± 2.4
	MCV	fL	83.6 ± 5.0		93.8 ± 5.0		101.4 ± 5.0
	MCH	pg	25.7 ± 2.5		28.9 ± 2.5		31.2 ± 2.5
	MCHC	g/dL	30.8 ± 3.0		30.8 ± 3.0		30.8 ± 3.0
	RDW-CV	%	17.2 ± 3.0		15.1 ± 3.0		14.2 ± 3.0
	RDW-SD	fL	50.1 ± 6.0		49.4 ± 6.0		50.4 ± 8.0
	PLT	x 10 <sup>9</sup> /L	49 ± 20		192 ± 40		388 ± 60
	MPV	fL	9.9 ± 3.0		11.5 ± 3.0		10.2 ± 3.0
	PDW		16.0 ± 3.0		16.9 ± 3.0		16.5 ± 3.0
	PCT	%	0.049 ± 0.049		0.221 ± 0.100		0.396 ± 0.200
	P-LCR	%	27.2 ± 10.0		36.9 ± 10.0		27.4 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	13 ± 8		71 ± 24		106 ± 50
	IMG#	x 10 <sup>9</sup> /L	0.05 ± 0.42		0.09 ± 0.75		0.25 ± 2.09
	IMG%	%	1.2 ± 10.0		1.2 ± 10.0		1.2 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.321 ± 0.321		0.320 ± 0.320		0.520 ± 0.520
	NRBC%	/100 WBC	8.49 ± 8.49		4.32 ± 4.32		2.51 ± 2.51

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Instrument	Parameter	Low		Normal		High	
		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-6200	WBC	x 10 <sup>9</sup> /L	3.67 ± 0.50		7.49 ± 1.00		20.75 ± 2.50
BC-6100Plus, BC-6100	Neu#	x 10 <sup>9</sup> /L	2.09 ± 0.37		3.57 ± 0.75		11.18 ± 2.08
BC-6000Plus, BC-6000	Lym#	x 10 <sup>9</sup> /L	0.92 ± 0.30		2.82 ± 0.60		6.66 ± 1.66
QC Mode	Mon#	x 10 <sup>9</sup> /L	0.11 ± 0.11		0.37 ± 0.37		1.12 ± 1.12
	Eos#	x 10 <sup>9</sup> /L	0.51 ± 0.24		0.66 ± 0.53		1.58 ± 1.46
	Bas#	x 10 <sup>9</sup> /L	0.04 ± 0.04		0.07 ± 0.07		0.21 ± 0.21
	Neu%	%	57.0 ± 10.0		47.7 ± 10.0		53.9 ± 10.0
	Lym%	%	25.2 ± 8.0		37.6 ± 8.0		32.1 ± 8.0
	Mon%	%	2.9 ± 2.9		4.9 ± 4.9		5.4 ± 5.4
	Eos%	%	13.9 ± 6.5		8.8 ± 7.0		7.6 ± 7.0
	Bas%	%	1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0
	RBC	x 10 <sup>12</sup> /L	2.40 ± 0.18		4.34 ± 0.24		5.14 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.5 ± 0.6		16.0 ± 0.8
	HCT	%	20.7 ± 1.5		40.9 ± 2.0		52.1 ± 2.4
	MCV	fL	86.1 ± 5.0		94.3 ± 5.0		101.4 ± 5.0
	MCH	pg	25.0 ± 2.5		28.8 ± 2.5		31.1 ± 2.5
	MCHC	g/dL	29.0 ± 3.0		30.5 ± 3.0		30.7 ± 3.0
	RDW-CV	%	17.7 ± 3.0		15.4 ± 3.0		14.3 ± 3.0
	RDW-SD	fL	55.0 ± 6.0		53.0 ± 6.0		53.0 ± 8.0
	PLT	x 10 <sup>9</sup> /L	53 ± 20		201 ± 40		415 ± 60
	MPV	fL	10.9 ± 3.0		12.1 ± 3.0		10.5 ± 3.0
	PDW		16.3 ± 3.0		16.7 ± 3.0		16.4 ± 3.0
	PCT	%	0.058 ± 0.050		0.243 ± 0.100		0.436 ± 0.200
	P-LCR	%	32.8 ± 10.0		40.4 ± 10.0		29.5 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	17 ± 8		81 ± 24		122 ± 50
	IMG#	x 10 <sup>9</sup> /L	0.04 ± 0.40		0.07 ± 0.70		0.21 ± 2.10
	IMG%	%	1.0 ± 10.0		1.0 ± 10.0		1.0 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.310 ± 0.310		0.331 ± 0.331		0.535 ± 0.535
	NRBC%	/100 WBC	8.45 ± 8.45		4.42 ± 4.42		2.58 ± 2.58

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# BC-6D




## HEMATOLOGY CONTROLS

### CONTROL

ASSAY VALUES AND EXPECTED RANGES

 **MB1123A**
**2024-01-10**

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Instrument	Parameter	Low		Normal		High	
		 MB1123AL		 MB1123AN		 MB1123AH	
BC-700[B], BC-700[R],	WBC	x 10 <sup>9</sup> /L	3.75 ± 0.50		7.67 ± 1.00		21.21 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 <sup>9</sup> /L	2.22 ± 0.38		3.84 ± 0.77		11.82 ± 2.13
BC-760[R], BC-780[R],	Lym#	x 10 <sup>9</sup> /L	0.89 ± 0.30		2.92 ± 0.62		6.81 ± 1.70
BC-700[B] CS,	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.31 ± 0.31		1.06 ± 1.06
BC-760[B] CS,	Eos#	x 10 <sup>9</sup> /L	0.45 ± 0.34		0.52 ± 0.52		1.29 ± 1.27
BC-700[R] CS,	Bas#	x 10 <sup>9</sup> /L	0.06 ± 0.19		0.08 ± 0.37		0.23 ± 1.05
BC-760[R] CS	Neu%	%	59.3 ± 10.0		49.9 ± 10.0		55.7 ± 10.0
BP 200n *	Lym%	%	23.8 ± 8.0		38.1 ± 8.0		32.1 ± 8.0
BP 260n *	Mon%	%	3.4 ± 3.4		4.1 ± 4.1		5.0 ± 5.0
QC Mode	Eos%	%	11.9 ± 9.0		6.8 ± 6.8		6.1 ± 6.0
	Bas%	%	1.6 ± 5.0		1.1 ± 5.0		1.1 ± 5.0
	RBC	x 10 <sup>12</sup> /L	2.38 ± 0.18		4.32 ± 0.24		5.13 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.4 ± 0.6		15.9 ± 0.8
	HCT	%	20.1 ± 1.5		40.8 ± 2.0		52.7 ± 2.4
	MCV	fL	84.6 ± 5.0		94.5 ± 5.0		102.8 ± 5.0
	MCH	pg	25.2 ± 2.5		28.7 ± 2.5		31.0 ± 2.5
	MCHC	g/dL	29.8 ± 3.0		30.4 ± 3.0		30.1 ± 3.0
	RDW-CV	%	18.5 ± 3.0		15.5 ± 3.0		14.2 ± 3.0
	RDW-SD	fL	54.6 ± 6.0		51.2 ± 6.0		50.8 ± 8.0
	PLT	x 10 <sup>9</sup> /L	51 ± 20		193 ± 40		388 ± 60
	MPV	fL	9.8 ± 3.0		11.3 ± 3.0		9.9 ± 3.0
	PDW		16.3 ± 3.0		17.1 ± 3.0		16.6 ± 3.0
	PCT	%	0.050 ± 0.050		0.218 ± 0.100		0.384 ± 0.200
	P-LCR	%	26.4 ± 10.0		35.8 ± 10.0		25.8 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	13 ± 8		69 ± 24		100 ± 50
	IMG#	x 10 <sup>9</sup> /L	0.04 ± 0.37		0.08 ± 0.80		0.28 ± 2.16
	IMG%	%	1.1 ± 10.0		1.0 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.115 ± 0.115		0.189 ± 0.189		0.600 ± 0.600
	NRBC%	/100 WBC	3.07 ± 3.07		2.46 ± 2.46		2.83 ± 2.83
	IPF **	%	2.9 ± 5.0		2.6 ± 5.0		2.2 ± 5.0
	PLT-H	x 10 <sup>9</sup> /L	51 ± 20		194 ± 40		391 ± 60
	ESR	mm/h	37.83 ± 10.00		14.70 ± 4.00	NA	NA

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\*\* IPF : Only applies to BC-700[B], BC-760[B], BC-700[B] CS, BC-760[B] CS

\* Only ESR is involved in BP 200n and BP 260n

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Instrument	Parameter	Low		Normal		High	
		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-7500[B] CRP,	WBC	x 10 <sup>9</sup> /L	3.71 ± 0.50		7.57 ± 1.00		20.97 ± 2.50
BC-7500[R] CRP,	Neu#	x 10 <sup>9</sup> /L	2.16 ± 0.38		3.64 ± 0.76		11.29 ± 2.10
BC-7500[N] CRP,	Lym#	x 10 <sup>9</sup> /L	0.91 ± 0.30		2.81 ± 0.61		6.75 ± 1.68
BC-7500[NR] CRP	Mon#	x 10 <sup>9</sup> /L	0.10 ± 0.10		0.39 ± 0.39		1.13 ± 1.13
QC Mode	Eos#	x 10 <sup>9</sup> /L	0.50 ± 0.34		0.65 ± 0.65		1.59 ± 1.59
	Bas#	x 10 <sup>9</sup> /L	0.04 ± 0.04		0.08 ± 0.08		0.21 ± 0.21
	Neu%	%	58.2 ± 10.0		48.1 ± 10.0		53.8 ± 10.0
	Lym%	%	24.5 ± 8.0		37.1 ± 8.0		32.2 ± 8.0
	Mon%	%	2.7 ± 2.7		5.2 ± 5.2		5.4 ± 5.4
	Eos%	%	13.6 ± 9.0		8.6 ± 8.6		7.6 ± 7.6
	Bas%	%	1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0
	RBC	x 10 <sup>12</sup> /L	2.35 ± 0.18		4.35 ± 0.24		5.20 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.5 ± 0.6		16.0 ± 0.8
	HCT	%	19.7 ± 1.5		40.9 ± 2.0		53.2 ± 2.4
	MCV	fL	84.0 ± 5.0		94.1 ± 5.0		102.4 ± 5.0
	MCH	pg	25.1 ± 2.5		28.7 ± 2.5		30.8 ± 2.5
	MCHC	g/dL	29.9 ± 3.0		30.5 ± 3.0		30.0 ± 3.0
	RDW-CV	%	18.5 ± 3.0		15.4 ± 3.0		14.1 ± 3.0
	RDW-SD	fL	55.0 ± 6.0		51.1 ± 6.0		50.8 ± 8.0
	PLT	x 10 <sup>9</sup> /L	50 ± 20		192 ± 40		390 ± 60
	MPV	fL	9.8 ± 3.0		11.5 ± 3.0		10.2 ± 3.0
	PDW		16.3 ± 3.0		17.0 ± 3.0		16.6 ± 3.0
	PCT	%	0.049 ± 0.049		0.221 ± 0.100		0.398 ± 0.200
	P-LCR	%	27.1 ± 10.0		36.7 ± 10.0		28.1 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	14 ± 8		70 ± 24		110 ± 50
	IMG#	x 10 <sup>9</sup> /L	0.04 ± 0.40		0.08 ± 0.80		0.21 ± 2.10
	IMG%	%	1.0 ± 10.0		1.0 ± 10.0		1.0 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.318 ± 0.318		0.340 ± 0.340		0.533 ± 0.533
	NRBC%	/100 WBC	8.57 ± 8.57		4.49 ± 4.49		2.54 ± 2.54

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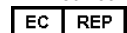
**Mindray**

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