


# BC-6D

## HEMATOLOGY CONTROLS

**CONTROL**

## ASSAY VALUES AND EXPECTED RANGES

LOT

**MB1125A**  
 **2026-01-10**

Instrument	Parameter	Low		Normal		High	
		LOT	MB1125AL	LOT	MB1125AN	LOT	MB1125AH
<b>BC-6800, BC-6600</b> <b>QC Mode</b>	WBC	x 10 <sup>9</sup> /L	3.83 ± 0.50		7.58 ± 1.00		20.58 ± 2.50
	Neu#	x 10 <sup>9</sup> /L	2.11 ± 0.39		3.62 ± 0.76		11.15 ± 2.06
	Lym#	x 10 <sup>9</sup> /L	0.93 ± 0.31		2.66 ± 0.61		6.50 ± 1.65
	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.38 ± 0.38		0.93 ± 0.93
	Eos#	x 10 <sup>9</sup> /L	0.62 ± 0.35		0.84 ± 0.50		1.77 ± 1.77
	Bas#	x 10 <sup>9</sup> /L	0.04 ± 0.19		0.08 ± 0.40		0.23 ± 1.05
	Neu%	%	54.8 ± 10.0		47.8 ± 10.0		54.2 ± 10.0
	Lym%	%	24.4 ± 8.0		35.1 ± 8.0		31.6 ± 8.0
	Mon%	%	3.5 ± 3.5		5.0 ± 5.0		4.5 ± 4.5
	Eos%	%	16.2 ± 9.0		11.1 ± 6.5		8.6 ± 8.6
	Bas%	%	1.1 ± 5.0		1.0 ± 5.0		1.1 ± 5.0
	RBC	x 10 <sup>12</sup> /L	2.29 ± 0.18		4.24 ± 0.24		5.09 ± 0.30
	HGB	g/dL	6.1 ± 0.4		12.3 ± 0.6		15.7 ± 0.8
	HCT	%	19.9 ± 1.5		39.5 ± 2.0		51.0 ± 2.4
	MCV	fL	86.7 ± 5.0		93.1 ± 5.0		100.2 ± 5.0
	MCH	pg	26.6 ± 2.5		29.0 ± 2.5		30.8 ± 2.5
	MCHC	g/dL	30.7 ± 3.0		31.2 ± 3.0		30.8 ± 3.0
	RDW-CV	%	16.6 ± 3.0		15.2 ± 3.0		14.3 ± 3.0
	RDW-SD	fL	50.5 ± 6.0		50.2 ± 6.0		51.5 ± 8.0
	PLT	x 10 <sup>9</sup> /L	53 ± 20		211 ± 40		410 ± 60
	MPV	fL	10.6 ± 3.0		12.0 ± 3.0		11.2 ± 3.0
	PDW		15.4 ± 3.0		16.4 ± 3.0		16.5 ± 3.0
	PCT	%	0.056 ± 0.050		0.253 ± 0.100		0.459 ± 0.200
	P-LCR	%	31.9 ± 20.0		40.2 ± 10.0		34.5 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	17 ± 12		85 ± 24		141 ± 50
	IMG# *	x 10 <sup>9</sup> /L	0.05 ± 0.36		0.11 ± 0.79		0.29 ± 2.08
	IMG% *	%	1.4 ± 10.0		1.4 ± 10.0		1.4 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.410 ± 0.410		0.384 ± 0.384		0.399 ± 0.399
	NRBC%	/100 WBC	10.71 ± 10.71		5.06 ± 5.06		1.94 ± 1.94

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	MB1125AL	LOT	MB1125AN	LOT	MB1125AH
BC-6800Plus	WBC x 10 <sup>9</sup> /L		3.85 ± 0.50		7.62 ± 1.00		21.09 ± 2.50
BC-6700Plus	Neu# x 10 <sup>9</sup> /L		2.12 ± 0.39		3.61 ± 0.77		11.41 ± 2.11
BC-6600Plus	Lym# x 10 <sup>9</sup> /L		0.95 ± 0.31		2.70 ± 0.61		6.62 ± 1.69
QC Mode	Mon# x 10 <sup>9</sup> /L		0.13 ± 0.13		0.38 ± 0.38		0.95 ± 0.95
	Eos# x 10 <sup>9</sup> /L		0.59 ± 0.35		0.82 ± 0.54		1.79 ± 1.79
	Bas# x 10 <sup>9</sup> /L		0.06 ± 0.06		0.11 ± 0.11		0.32 ± 0.32
	Neu% %		55.1 ± 10.0		47.4 ± 10.0		54.1 ± 10.0
	Lym% %		24.7 ± 8.0		35.4 ± 8.0		31.4 ± 8.0
	Mon% %		3.5 ± 3.5		5.0 ± 5.0		4.5 ± 4.5
	Eos% %		15.2 ± 9.0		10.7 ± 7.0		8.5 ± 8.5
	Bas% %		1.5 ± 1.5		1.5 ± 1.5		1.5 ± 1.5
	RBC x 10 <sup>12</sup> /L		2.31 ± 0.18		4.27 ± 0.24		5.13 ± 0.30
	HGB g/dL		6.1 ± 0.4		12.3 ± 0.6		15.7 ± 0.8
	HCT %		19.9 ± 1.5		39.8 ± 2.0		51.5 ± 2.4
	MCV fL		86.3 ± 5.0		93.3 ± 5.0		100.4 ± 5.0
	MCH pg		26.4 ± 2.5		28.8 ± 2.5		30.6 ± 2.5
	MCHC g/dL		30.6 ± 3.0		30.9 ± 3.0		30.5 ± 3.0
	RDW-CV %		16.2 ± 3.0		15.1 ± 3.0		14.3 ± 3.0
	RDW-SD fL		50.8 ± 6.0		50.0 ± 6.0		51.2 ± 8.0
	PLT x 10 <sup>9</sup> /L		54 ± 20		210 ± 40		409 ± 60
	MPV fL		10.9 ± 3.0		12.1 ± 3.0		11.3 ± 3.0
	PDW		15.4 ± 3.0		16.4 ± 3.0		16.5 ± 3.0
	PCT %		0.059 ± 0.050		0.254 ± 0.100		0.462 ± 0.200
	P-LCR %		33.0 ± 20.0		41.3 ± 10.0		35.2 ± 10.0
	P-LCC x 10 <sup>9</sup> /L		18 ± 12		87 ± 24		144 ± 50
	IMG# x 10 <sup>9</sup> /L		0.05 ± 0.36		0.11 ± 0.79		0.30 ± 2.15
	IMG% %		1.4 ± 10.0		1.4 ± 10.0		1.4 ± 10.0
	NRBC# x 10 <sup>9</sup> /L		0.347 ± 0.347		0.335 ± 0.335		0.401 ± 0.401
	NRBC% /100 WBC		9.01 ± 9.01		4.40 ± 4.40		1.90 ± 1.90

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Instrument	Parameter	Low		Normal		High	
		LOT	MB1125AL	LOT	MB1125AN	LOT	MB1125AH
<b>BC-6200</b>	WBC	x 10 <sup>9</sup> /L	3.78 ± 0.50		7.77 ± 1.00		21.23 ± 2.50
<b>BC-6100Plus, BC-6100</b>	Neu#	x 10 <sup>9</sup> /L	2.09 ± 0.38		3.69 ± 0.78		11.40 ± 2.13
<b>BC-6000Plus, BC-6000</b>	Lym#	x 10 <sup>9</sup> /L	0.91 ± 0.30		2.75 ± 0.63		6.75 ± 1.70
<b>QC Mode</b>	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.38 ± 0.38		0.96 ± 0.96
	Eos#	x 10 <sup>9</sup> /L	0.59 ± 0.31		0.83 ± 0.55		1.80 ± 1.80
	Bas#	x 10 <sup>9</sup> /L	0.06 ± 0.06		0.12 ± 0.12		0.32 ± 0.32
	Neu%	%	55.2 ± 10.0		47.5 ± 10.0		53.7 ± 10.0
	Lym%	%	24.2 ± 8.0		35.4 ± 8.0		31.8 ± 8.0
	Mon%	%	3.5 ± 3.5		4.9 ± 4.9		4.5 ± 4.5
	Eos%	%	15.6 ± 8.0		10.7 ± 7.0		8.5 ± 8.5
	Bas%	%	1.5 ± 1.5		1.5 ± 1.5		1.5 ± 1.5
	RBC	x 10 <sup>12</sup> /L	2.28 ± 0.18		4.28 ± 0.24		5.15 ± 0.30
	HGB	g/dL	6.1 ± 0.4		12.3 ± 0.6		15.9 ± 0.8
	HCT	%	20.2 ± 1.5		40.0 ± 2.0		51.5 ± 2.4
	MCV	fL	88.6 ± 5.0		93.5 ± 5.0		100.0 ± 5.0
	MCH	pg	26.8 ± 2.5		28.7 ± 2.5		30.9 ± 2.5
	MCHC	g/dL	30.2 ± 3.0		30.7 ± 3.0		30.9 ± 3.0
	RDW-CV	%	17.0 ± 3.0		15.3 ± 3.0		14.3 ± 3.0
	RDW-SD	fL	54.6 ± 6.0		53.0 ± 6.0		53.0 ± 8.0
	PLT	x 10 <sup>9</sup> /L	54 ± 20		210 ± 40		422 ± 60
	MPV	fL	11.7 ± 3.0		12.9 ± 3.0		11.7 ± 3.0
	PDW		15.5 ± 3.0		16.1 ± 3.0		16.2 ± 3.0
	PCT	%	0.063 ± 0.050		0.271 ± 0.100		0.494 ± 0.200
	P-LCR	%	37.2 ± 20.0		45.7 ± 10.0		37.7 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	20 ± 12		96 ± 24		159 ± 50
	IMG#	x 10 <sup>9</sup> /L	0.05 ± 0.39		0.10 ± 0.77		0.28 ± 2.16
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.333 ± 0.333		0.356 ± 0.356		0.384 ± 0.384
	NRBC%	/100 WBC	8.82 ± 8.82		4.58 ± 4.58		1.81 ± 1.81

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Revised 2025-10-09

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Instrument	Parameter	Low		Normal		High	
		LOT	MB1125AL	LOT	MB1125AN	LOT	MB1125AH
BC-700[B], BC-700[R],	WBC	x 10 <sup>9</sup> /L	3.85 ± 0.50		8.03 ± 1.00		21.72 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 <sup>9</sup> /L	2.19 ± 0.39		3.98 ± 0.81		12.23 ± 2.18
BC-760[R], BC-780[R],	Lym#	x 10 <sup>9</sup> /L	0.94 ± 0.31		2.83 ± 0.65		6.73 ± 1.74
BC-700[B] CS,	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.39 ± 0.39		0.96 ± 0.96
BC-760[B] CS,	Eos#	x 10 <sup>9</sup> /L	0.54 ± 0.54		0.72 ± 0.72		1.50 ± 1.50
BC-700[R] CS,	Bas#	x 10 <sup>9</sup> /L	0.05 ± 0.20		0.11 ± 0.40		0.30 ± 1.08
BC-760[R] CS	Neu%	%	56.6 ± 10.0		49.6 ± 10.0		56.3 ± 10.0
BP 200n *	Lym%	%	24.5 ± 8.0		35.2 ± 8.0		31.0 ± 8.0
BP 260n *	Mon%	%	3.5 ± 3.5		4.8 ± 4.8		4.4 ± 4.4
QC Mode	Eos%	%	14.1 ± 14.1		9.0 ± 9.0		6.9 ± 6.9
	Bas%	%	1.3 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 <sup>12</sup> /L	2.30 ± 0.18		4.31 ± 0.24		5.22 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.2 ± 0.6		15.7 ± 0.8
	HCT	%	20.2 ± 1.5		40.7 ± 2.0		53.3 ± 2.4
	MCV	fL	88.0 ± 5.0		94.5 ± 5.0		102.2 ± 5.0
	MCH	pg	26.1 ± 2.5		28.3 ± 2.5		30.1 ± 2.5
	MCHC	g/dL	29.6 ± 3.0		30.0 ± 3.0		29.4 ± 3.0
	RDW-CV	%	17.5 ± 3.0		15.5 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	56.4 ± 6.0		53.4 ± 6.0		53.7 ± 8.0
	PLT	x 10 <sup>9</sup> /L	57 ± 20		210 ± 40		415 ± 60
	MPV	fL	11.2 ± 3.0		12.3 ± 3.0		11.4 ± 3.0
	PDW		15.7 ± 3.0		16.5 ± 3.0		16.6 ± 3.0
	PCT	%	0.064 ± 0.050		0.258 ± 0.100		0.473 ± 0.200
	P-LCR	%	36.5 ± 20.0		42.9 ± 10.0		36.5 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	21 ± 12		90 ± 24		151 ± 50
	IMG#	x 10 <sup>9</sup> /L	0.05 ± 0.39		0.10 ± 0.77		0.26 ± 2.17
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.2 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.084 ± 0.084		0.153 ± 0.153		0.465 ± 0.465
	NRBC%	/100 WBC	2.17 ± 2.17		1.90 ± 1.90		2.14 ± 2.14
	IPF **	%	2.5 ± 5.0		2.5 ± 5.0		2.4 ± 5.0
	PLT-H	x 10 <sup>9</sup> /L	58 ± 20		213 ± 40		420 ± 60
	ESR	mm/h	37.78 ± 10.00		14.63 ± 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	MB1125AL	LOT	MB1125AN	LOT	MB1125AH
BC-7500[B] CRP,	WBC	x 10 <sup>9</sup> /L	3.80 ± 0.50		7.68 ± 1.00		21.16 ± 2.50
BC-7500[R] CRP,	Neu#	x 10 <sup>9</sup> /L	2.10 ± 0.39		3.68 ± 0.77		11.51 ± 2.12
BC-7500[N] CRP,	Lym#	x 10 <sup>9</sup> /L	0.92 ± 0.31		2.68 ± 0.62		6.64 ± 1.70
BC-7500[NR] CRP	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.37 ± 0.37		0.93 ± 0.93
QC Mode	Eos#	x 10 <sup>9</sup> /L	0.59 ± 0.59		0.84 ± 0.84		1.78 ± 1.78
	Bas#	x 10 <sup>9</sup> /L	0.06 ± 0.20		0.11 ± 0.40		0.30 ± 1.08
	Neu%	%	55.1 ± 10.0		48.0 ± 10.0		54.4 ± 10.0
	Lym%	%	24.3 ± 8.0		34.9 ± 8.0		31.4 ± 8.0
	Mon%	%	3.5 ± 3.5		4.8 ± 4.8		4.4 ± 4.4
	Eos%	%	15.6 ± 15.6		10.9 ± 10.9		8.4 ± 8.4
	Bas%	%	1.5 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 <sup>12</sup> /L	2.25 ± 0.18		4.25 ± 0.24		5.18 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.3 ± 0.6		15.9 ± 0.8
	HCT	%	19.4 ± 1.5		39.7 ± 2.0		52.2 ± 2.4
	MCV	fL	86.3 ± 5.0		93.3 ± 5.0		100.8 ± 5.0
	MCH	pg	26.2 ± 2.5		28.9 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	30.4 ± 3.0		31.0 ± 3.0		30.5 ± 3.0
	RDW-CV	%	17.6 ± 3.0		15.4 ± 3.0		14.3 ± 3.0
	RDW-SD	fL	55.7 ± 6.0		52.5 ± 6.0		52.6 ± 8.0
	PLT	x 10 <sup>9</sup> /L	54 ± 20		204 ± 40		403 ± 60
	MPV	fL	10.9 ± 3.0		12.4 ± 3.0		11.4 ± 3.0
	PDW		15.7 ± 3.0		16.5 ± 3.0		16.5 ± 3.0
	PCT	%	0.059 ± 0.050		0.253 ± 0.100		0.459 ± 0.200
	P-LCR	%	34.6 ± 20.0		43.6 ± 10.0		36.7 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	19 ± 12		89 ± 24		148 ± 50
	IMG#	x 10 <sup>9</sup> /L	0.05 ± 0.39		0.10 ± 0.77		0.28 ± 2.16
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.339 ± 0.339		0.331 ± 0.331		0.375 ± 0.375
	NRBC%	/100 WBC	8.92 ± 8.92		4.31 ± 4.31		1.77 ± 1.77

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**Mindray**

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