

# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0324A



2024-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-6800,BC-6600	WBC $\times 10^9/L$		3.61 $\pm$ 0.50		7.34 $\pm$ 1.00		20.32 $\pm$ 2.50
QC Mode	Neu# $\times 10^9/L$		2.02 $\pm$ 0.36		3.55 $\pm$ 0.74		11.31 $\pm$ 2.04
	Lym# $\times 10^9/L$		0.92 $\pm$ 0.29		2.67 $\pm$ 0.59		6.56 $\pm$ 1.63
	Mon# $\times 10^9/L$		0.13 $\pm$ 0.13		0.39 $\pm$ 0.39		0.91 $\pm$ 0.91
	Eos# $\times 10^9/L$		0.49 $\pm$ 0.33		0.63 $\pm$ 0.48		1.32 $\pm$ 1.32
	Bas# $\times 10^9/L$		0.05 $\pm$ 0.20		0.10 $\pm$ 0.39		0.22 $\pm$ 1.00
	Neu%		56.1 $\pm$ 10.0		48.4 $\pm$ 10.0		55.6 $\pm$ 10.0
	Lym%		25.5 $\pm$ 8.0		36.4 $\pm$ 8.0		32.3 $\pm$ 8.0
	Mon%		3.6 $\pm$ 3.6		5.3 $\pm$ 5.3		4.5 $\pm$ 4.5
	Eos%		13.5 $\pm$ 9.0		8.6 $\pm$ 6.5		6.5 $\pm$ 6.5
	Bas%		1.3 $\pm$ 5.0		1.3 $\pm$ 5.0		1.1 $\pm$ 5.0
	RBC $\times 10^{12}/L$		2.36 $\pm$ 0.18		4.26 $\pm$ 0.24		5.20 $\pm$ 0.30
	HGB g/dL		6.1 $\pm$ 0.4		12.4 $\pm$ 0.6		16.2 $\pm$ 0.8
	HCT %		19.7 $\pm$ 1.5		39.7 $\pm$ 2.0		51.9 $\pm$ 2.4
	MCV fL		83.6 $\pm$ 5.0		93.3 $\pm$ 5.0		99.8 $\pm$ 5.0
	MCH pg		25.8 $\pm$ 2.5		29.1 $\pm$ 2.5		31.2 $\pm$ 2.5
	MCHC g/dL		30.9 $\pm$ 3.0		31.2 $\pm$ 3.0		31.2 $\pm$ 3.0
	RDW-CV %		16.5 $\pm$ 3.0		14.7 $\pm$ 3.0		14.3 $\pm$ 3.0
	RDW-SD fL		49.3 $\pm$ 6.0		47.9 $\pm$ 6.0		50.8 $\pm$ 8.0
	PLT $\times 10^9/L$		53 $\pm$ 20		193 $\pm$ 40		387 $\pm$ 60
	MPV fL		11.6 $\pm$ 3.0		10.9 $\pm$ 3.0		11.5 $\pm$ 3.0
	PDW		15.8 $\pm$ 3.0		16.8 $\pm$ 3.0		16.5 $\pm$ 3.0
	PCT %		0.061 $\pm$ 0.050		0.210 $\pm$ 0.100		0.445 $\pm$ 0.200
	P-LCR %		40.8 $\pm$ 10.0		32.3 $\pm$ 10.0		37.2 $\pm$ 10.0
	P-LCC $\times 10^9/L$		22 $\pm$ 8		62 $\pm$ 24		144 $\pm$ 50
	IMG#** $\times 10^9/L$		0.05 $\pm$ 0.36		0.10 $\pm$ 0.72		0.26 $\pm$ 2.00
	IMG%**		1.4 $\pm$ 10.0		1.4 $\pm$ 10.0		1.3 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.329 $\pm$ 0.329		0.363 $\pm$ 0.363		0.608 $\pm$ 0.608
	NRBC% /100WBC		9.10 $\pm$ 9.10		4.95 $\pm$ 4.95		2.99 $\pm$ 2.99

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

\*Research use only.

\*\*Software version 1.09 or higher.

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CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0324A



2024-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-6000	WBC $\times 10^9/L$		3.51 $\pm$ 0.50		7.37 $\pm$ 1.00		21.17 $\pm$ 2.50
BC-6100	Neu# $\times 10^9/L$		1.97 $\pm$ 0.36		3.58 $\pm$ 0.74		11.69 $\pm$ 2.12
BC-6200	Lym# $\times 10^9/L$		0.92 $\pm$ 0.29		2.71 $\pm$ 0.59		6.90 $\pm$ 1.70
BC-6000Plus	Mon# $\times 10^9/L$		0.13 $\pm$ 0.13		0.38 $\pm$ 0.38		0.95 $\pm$ 0.95
BC-6100Plus	Eos# $\times 10^9/L$		0.44 $\pm$ 0.23		0.60 $\pm$ 0.52		1.35 $\pm$ 1.35
QC Mode	Bas# $\times 10^9/L$		0.05 $\pm$ 0.05		0.10 $\pm$ 0.08		0.28 $\pm$ 0.28
	Neu%		56.1 $\pm$ 10.0		48.5 $\pm$ 10.0		55.2 $\pm$ 10.0
	Lym%		26.1 $\pm$ 8.0		36.8 $\pm$ 8.0		32.6 $\pm$ 8.0
	Mon%		3.7 $\pm$ 3.7		5.1 $\pm$ 5.1		4.5 $\pm$ 4.5
	Eos%		12.6 $\pm$ 6.5		8.2 $\pm$ 7.0		6.4 $\pm$ 6.4
	Bas%		1.5 $\pm$ 1.5		1.4 $\pm$ 1.0		1.3 $\pm$ 1.3
	RBC $\times 10^{12}/L$		2.38 $\pm$ 0.18		4.29 $\pm$ 0.24		5.31 $\pm$ 0.30
	HGB g/dL		6.1 $\pm$ 0.4		12.4 $\pm$ 0.6		16.3 $\pm$ 0.8
	HCT %		20.5 $\pm$ 1.5		40.5 $\pm$ 2.0		53.4 $\pm$ 2.4
	MCV fL		86.0 $\pm$ 5.0		94.5 $\pm$ 5.0		100.5 $\pm$ 5.0
	MCH pg		25.6 $\pm$ 2.5		28.9 $\pm$ 2.5		30.7 $\pm$ 2.5
	MCHC g/dL		29.8 $\pm$ 3.0		30.6 $\pm$ 3.0		30.5 $\pm$ 3.0
	RDW-CV %		17.3 $\pm$ 3.0		15.1 $\pm$ 3.0		14.5 $\pm$ 3.0
	RDW-SD fL		53.4 $\pm$ 6.0		52.2 $\pm$ 6.0		53.4 $\pm$ 8.0
	PLT $\times 10^9/L$		53 $\pm$ 20		202 $\pm$ 40		402 $\pm$ 60
	MPV fL		13.1 $\pm$ 3.0		11.6 $\pm$ 3.0		11.9 $\pm$ 3.0
	PDW		16.0 $\pm$ 3.0		16.5 $\pm$ 3.0		16.5 $\pm$ 3.0
	PCT %		0.069 $\pm$ 0.050		0.234 $\pm$ 0.100		0.478 $\pm$ 0.200
	P-LCR %		50.0 $\pm$ 10.0		37.0 $\pm$ 10.0		40.6 $\pm$ 10.0
	P-LCC $\times 10^9/L$		27 $\pm$ 8		75 $\pm$ 24		163 $\pm$ 50
	IMG# $\times 10^9/L$		0.05 $\pm$ 0.39		0.10 $\pm$ 0.77		0.28 $\pm$ 2.16
	IMG%		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.241 $\pm$ 0.241		0.298 $\pm$ 0.298		0.576 $\pm$ 0.576
	NRBC% /100WBC		6.87 $\pm$ 6.87		4.05 $\pm$ 4.05		2.72 $\pm$ 2.72
	Micro%		3.3 $\pm$ 15.0		2.3 $\pm$ 4.0		1.9 $\pm$ 2.5
	Macro%		4.6 $\pm$ 3.0		5.9 $\pm$ 5.0		7.6 $\pm$ 10.0
	Neu-X		397.3 $\pm$ 120.0		410.6 $\pm$ 120.0		395.7 $\pm$ 120.0
	Neu-Y		518.3 $\pm$ 120.0		518.3 $\pm$ 150.0		514.6 $\pm$ 150.0
	Mon-X		222.1 $\pm$ 120.0		218.1 $\pm$ 120.0		204.4 $\pm$ 120.0
	PLT-I $\times 10^9/L$		53 $\pm$ 30		202 $\pm$ 60		402 $\pm$ 90

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# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0324A



2024-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-6800Plus	WBC $\times 10^9/L$		3.77 $\pm$ 0.50		7.44 $\pm$ 1.00		21.19 $\pm$ 2.50
BC-6700Plus	Neu# $\times 10^9/L$		2.11 $\pm$ 0.38		3.64 $\pm$ 0.75		11.74 $\pm$ 2.12
BC-6600Plus	Lym# $\times 10^9/L$		0.97 $\pm$ 0.31		2.73 $\pm$ 0.60		6.89 $\pm$ 1.70
QC Mode	Mon# $\times 10^9/L$		0.14 $\pm$ 0.14		0.38 $\pm$ 0.38		0.95 $\pm$ 0.95
	Eos# $\times 10^9/L$		0.49 $\pm$ 0.34		0.59 $\pm$ 0.53		1.31 $\pm$ 1.31
	Bas# $\times 10^9/L$		0.06 $\pm$ 0.06		0.10 $\pm$ 0.10		0.30 $\pm$ 0.30
	Neu%		56.1 $\pm$ 10.0		48.9 $\pm$ 10.0		55.4 $\pm$ 10.0
	Lym%		25.7 $\pm$ 8.0		36.7 $\pm$ 8.0		32.5 $\pm$ 8.0
	Mon%		3.6 $\pm$ 3.6		5.1 $\pm$ 5.1		4.5 $\pm$ 4.5
	Eos%		13.1 $\pm$ 9.0		7.9 $\pm$ 7.0		6.2 $\pm$ 6.2
	Bas%		1.5 $\pm$ 1.5		1.4 $\pm$ 1.4		1.4 $\pm$ 1.4
	RBC $\times 10^{12}/L$		2.38 $\pm$ 0.18		4.30 $\pm$ 0.24		5.22 $\pm$ 0.30
	HGB g/dL		6.0 $\pm$ 0.4		12.2 $\pm$ 0.6		16.0 $\pm$ 0.8
	HCT %		19.8 $\pm$ 1.5		40.1 $\pm$ 2.0		52.4 $\pm$ 2.4
	MCV fL		83.2 $\pm$ 5.0		93.2 $\pm$ 5.0		100.4 $\pm$ 5.0
	MCH pg		25.2 $\pm$ 2.5		28.4 $\pm$ 2.5		30.7 $\pm$ 2.5
	MCHC g/dL		30.3 $\pm$ 3.0		30.4 $\pm$ 3.0		30.5 $\pm$ 3.0
	RDW-CV %		16.8 $\pm$ 3.0		14.9 $\pm$ 3.0		14.6 $\pm$ 3.0
	RDW-SD fL		48.5 $\pm$ 6.0		48.2 $\pm$ 6.0		50.6 $\pm$ 8.0
	PLT $\times 10^9/L$		50 $\pm$ 20		193 $\pm$ 40		380 $\pm$ 60
	PLT-H $\times 10^9/L$		53 $\pm$ 20		196 $\pm$ 40		386 $\pm$ 60
	MPV fL		11.6 $\pm$ 3.0		10.9 $\pm$ 3.0		11.4 $\pm$ 3.0
	PDW		15.5 $\pm$ 3.0		16.5 $\pm$ 3.0		16.5 $\pm$ 3.0
	PCT %		0.058 $\pm$ 0.050		0.210 $\pm$ 0.100		0.433 $\pm$ 0.200
	P-LCR %		40.4 $\pm$ 10.0		32.4 $\pm$ 10.0		37.1 $\pm$ 10.0
	P-LCC $\times 10^9/L$		20 $\pm$ 8		63 $\pm$ 24		141 $\pm$ 50
	IMG# $\times 10^9/L$		0.05 $\pm$ 0.39		0.10 $\pm$ 0.77		0.28 $\pm$ 2.16
	IMG%		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.236 $\pm$ 0.236		0.289 $\pm$ 0.289		0.557 $\pm$ 0.557
	NRBC% /100WBC		6.27 $\pm$ 6.27		3.88 $\pm$ 3.88		2.63 $\pm$ 2.63
	Micro%		3.7 $\pm$ 15.0		2.6 $\pm$ 4.0		2.1 $\pm$ 2.5
	Macro%		4.1 $\pm$ 3.0		4.5 $\pm$ 5.0		5.1 $\pm$ 10.0
	Neu-X		380.9 $\pm$ 120.0		387.8 $\pm$ 120.0		383.4 $\pm$ 120.0
	Neu-Y		511.5 $\pm$ 120.0		510.1 $\pm$ 150.0		506.5 $\pm$ 150.0
	Mon-X		216.1 $\pm$ 120.0		216.0 $\pm$ 120.0		196.5 $\pm$ 120.0
	PLT-I $\times 10^9/L$		51 $\pm$ 30		196 $\pm$ 60		387 $\pm$ 90

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# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0324A



2024-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-7500[B] CRP	WBC $\times 10^9/L$		3.61 $\pm$ 0.50		7.32 $\pm$ 1.00		21.17 $\pm$ 2.50
BC-7500[N] CRP	Neu# $\times 10^9/L$		2.03 $\pm$ 0.37		3.56 $\pm$ 0.74		11.69 $\pm$ 2.12
BC-7500[R] CRP	Lym# $\times 10^9/L$		0.94 $\pm$ 0.29		2.69 $\pm$ 0.59		6.90 $\pm$ 1.70
BC-7500[NR] CRP	Mon# $\times 10^9/L$		0.13 $\pm$ 0.13		0.37 $\pm$ 0.37		0.95 $\pm$ 0.95
BC-7300[B] CRP	Eos# $\times 10^9/L$		0.46 $\pm$ 0.33		0.60 $\pm$ 0.60		1.33 $\pm$ 1.33
BC-7300[N] CRP	Bas# $\times 10^9/L$		0.05 $\pm$ 0.05		0.10 $\pm$ 0.10		0.30 $\pm$ 0.30
BC-7300[R] CRP	Neu%		56.2 $\pm$ 10.0		48.5 $\pm$ 10.0		55.2 $\pm$ 10.0
BC-7300[NR] CRP	Lym%		26.0 $\pm$ 8.0		36.8 $\pm$ 8.0		32.6 $\pm$ 8.0
BC-7500[B] CS	Mon%		3.6 $\pm$ 3.6		5.1 $\pm$ 5.1		4.5 $\pm$ 4.5
BC-7500[N] CS	Eos%		12.7 $\pm$ 9.0		8.2 $\pm$ 8.2		6.3 $\pm$ 6.3
BC-7500[R] CS	Bas%		1.5 $\pm$ 1.5		1.4 $\pm$ 1.4		1.4 $\pm$ 1.4
BC-7500[NR] CS	RBC $\times 10^{12}/L$		2.31 $\pm$ 0.18		4.25 $\pm$ 0.24		5.29 $\pm$ 0.30
QC Mode	HGB g/dL		5.9 $\pm$ 0.4		12.3 $\pm$ 0.6		16.3 $\pm$ 0.8
	HCT %		19.3 $\pm$ 1.5		39.9 $\pm$ 2.0		53.5 $\pm$ 2.4
	MCV fL		83.7 $\pm$ 5.0		93.8 $\pm$ 5.0		101.1 $\pm$ 5.0
	MCH pg		25.5 $\pm$ 2.5		28.9 $\pm$ 2.5		30.8 $\pm$ 2.5
	MCHC g/dL		30.5 $\pm$ 3.0		30.9 $\pm$ 3.0		30.5 $\pm$ 3.0
	RDW-CV %		17.9 $\pm$ 3.0		15.0 $\pm$ 3.0		14.3 $\pm$ 3.0
	RDW-SD fL		53.0 $\pm$ 6.0		49.9 $\pm$ 6.0		50.9 $\pm$ 8.0
	PLT $\times 10^9/L$		53 $\pm$ 20		193 $\pm$ 40		380 $\pm$ 60
	MPV fL		11.7 $\pm$ 3.0		10.9 $\pm$ 3.0		11.5 $\pm$ 3.0
	PDW		16.2 $\pm$ 3.0		16.8 $\pm$ 3.0		16.7 $\pm$ 3.0
	PCT %		0.062 $\pm$ 0.050		0.210 $\pm$ 0.100		0.437 $\pm$ 0.200
	P-LCR %		41.8 $\pm$ 10.0		33.3 $\pm$ 10.0		38.2 $\pm$ 10.0
	P-LCC $\times 10^9/L$		22 $\pm$ 8		64 $\pm$ 24		145 $\pm$ 50
	IMG# $\times 10^9/L$		0.05 $\pm$ 0.39		0.10 $\pm$ 0.77		0.28 $\pm$ 2.16
	IMG%		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.235 $\pm$ 0.235		0.300 $\pm$ 0.300		0.550 $\pm$ 0.550
	NRBC% /100WBC		6.51 $\pm$ 6.51		4.10 $\pm$ 4.10		2.60 $\pm$ 2.60

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# BC-6D

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CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0324A



2024-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-700[B]	WBC $\times 10^9/L$		3.65 $\pm$ 0.50		7.63 $\pm$ 1.00		21.11 $\pm$ 2.50
BC-760[B]	Neu# $\times 10^9/L$		2.13 $\pm$ 0.37		3.84 $\pm$ 0.77		12.20 $\pm$ 2.12
BC-700[B] CS	Lym# $\times 10^9/L$		0.92 $\pm$ 0.30		2.80 $\pm$ 0.61		6.69 $\pm$ 1.69
BC-760[B] CS	Mon# $\times 10^9/L$		0.13 $\pm$ 0.13		0.38 $\pm$ 0.38		0.93 $\pm$ 0.93
BC-700[R]	Eos# $\times 10^9/L$		0.42 $\pm$ 0.33		0.50 $\pm$ 0.50		0.99 $\pm$ 0.99
BC-720[R]	Bas# $\times 10^9/L$		0.05 $\pm$ 0.18		0.11 $\pm$ 0.40		0.30 $\pm$ 1.08
BC-760[R]	Neu%		58.3 $\pm$ 10.0		50.3 $\pm$ 10.0		57.8 $\pm$ 10.0
BC-780[R]	Lym%		25.2 $\pm$ 8.0		36.7 $\pm$ 8.0		31.7 $\pm$ 8.0
BC-700[R] CS	Mon%		3.6 $\pm$ 3.6		5.0 $\pm$ 5.0		4.4 $\pm$ 4.4
BC-760[R] CS	Eos%		11.5 $\pm$ 9.0		6.6 $\pm$ 6.6		4.7 $\pm$ 4.7
BP 200n	Bas%		1.4 $\pm$ 5.0		1.4 $\pm$ 5.0		1.4 $\pm$ 5.0
BP 260n	RBC $\times 10^{12}/L$		2.31 $\pm$ 0.18		4.25 $\pm$ 0.24		5.24 $\pm$ 0.30
QC Mode	HGB g/dL		5.9 $\pm$ 0.4		12.3 $\pm$ 0.6		16.2 $\pm$ 0.8
	HCT %		19.6 $\pm$ 1.5		40.4 $\pm$ 2.0		53.6 $\pm$ 2.4
	MCV fL		85.0 $\pm$ 5.0		95.1 $\pm$ 5.0		102.3 $\pm$ 5.0
	MCH pg		25.5 $\pm$ 2.5		28.9 $\pm$ 2.5		30.9 $\pm$ 2.5
	MCHC g/dL		30.0 $\pm$ 3.0		30.4 $\pm$ 3.0		30.2 $\pm$ 3.0
	RDW-CV %		17.9 $\pm$ 3.0		15.1 $\pm$ 3.0		14.4 $\pm$ 3.0
	RDW-SD fL		52.9 $\pm$ 6.0		50.1 $\pm$ 6.0		51.2 $\pm$ 8.0
	PLT $\times 10^9/L$		54 $\pm$ 20		197 $\pm$ 40		387 $\pm$ 60
	PLT-H $\times 10^9/L$		55 $\pm$ 20		199 $\pm$ 40		392 $\pm$ 60
	MPV fL		12.0 $\pm$ 3.0		10.8 $\pm$ 3.0		11.2 $\pm$ 3.0
	PDW		15.9 $\pm$ 3.0		16.8 $\pm$ 3.0		16.7 $\pm$ 3.0
	PCT %		0.065 $\pm$ 0.050		0.213 $\pm$ 0.100		0.433 $\pm$ 0.200
	P-LCR %		42.4 $\pm$ 10.0		32.4 $\pm$ 10.0		36.6 $\pm$ 10.0
	P-LCC $\times 10^9/L$		23 $\pm$ 8		64 $\pm$ 24		142 $\pm$ 50
	IMG# $\times 10^9/L$		0.04 $\pm$ 0.34		0.10 $\pm$ 0.39		0.25 $\pm$ 2.09
	IMG%		1.2 $\pm$ 10.0		1.3 $\pm$ 10.0		1.2 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.081 $\pm$ 0.081		0.150 $\pm$ 0.150		0.488 $\pm$ 0.488
	NRBC% /100WBC		2.22 $\pm$ 2.22		1.96 $\pm$ 1.96		2.31 $\pm$ 2.31
	IPF %		2.4 $\pm$ 5.0		2.5 $\pm$ 5.0		2.6 $\pm$ 5.0
	ESR mm/h		38.03 $\pm$ 10.00		15.51 $\pm$ 4.00		/ $\pm$ /

The ESR is not applicable for High level, and only ESR is involved in BP 200n and BP 260n.

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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



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