

# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0924A



2024-11-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-6800,BC-6600	WBC $\times 10^9/L$		3.80 $\pm$ 0.50		7.39 $\pm$ 1.00		19.57 $\pm$ 2.50
QC Mode	Neu# $\times 10^9/L$		2.33 $\pm$ 0.38		3.68 $\pm$ 0.74		10.64 $\pm$ 1.96
	Lym# $\times 10^9/L$		0.87 $\pm$ 0.31		2.66 $\pm$ 0.60		6.26 $\pm$ 1.57
	Mon# $\times 10^9/L$		0.13 $\pm$ 0.13		0.37 $\pm$ 0.37		0.88 $\pm$ 0.88
	Eos# $\times 10^9/L$		0.43 $\pm$ 0.35		0.60 $\pm$ 0.49		1.57 $\pm$ 1.57
	Bas# $\times 10^9/L$		0.04 $\pm$ 0.19		0.08 $\pm$ 0.37		0.22 $\pm$ 1.00
	Neu%		61.4 $\pm$ 10.0		49.8 $\pm$ 10.0		54.4 $\pm$ 10.0
	Lym%		22.9 $\pm$ 8.0		36.0 $\pm$ 8.0		32.0 $\pm$ 8.0
	Mon%		3.4 $\pm$ 3.4		5.0 $\pm$ 5.0		4.5 $\pm$ 4.5
	Eos%		11.2 $\pm$ 9.0		8.1 $\pm$ 6.5		8.0 $\pm$ 8.0
	Bas%		1.1 $\pm$ 5.0		1.1 $\pm$ 5.0		1.1 $\pm$ 5.0
	RBC $\times 10^{12}/L$		2.40 $\pm$ 0.18		4.27 $\pm$ 0.24		5.13 $\pm$ 0.30
	HGB g/dL		6.0 $\pm$ 0.4		12.1 $\pm$ 0.6		15.7 $\pm$ 0.8
	HCT %		19.8 $\pm$ 1.5		39.5 $\pm$ 2.0		50.9 $\pm$ 2.4
	MCV fL		82.7 $\pm$ 5.0		92.5 $\pm$ 5.0		99.2 $\pm$ 5.0
	MCH pg		25.0 $\pm$ 2.5		28.3 $\pm$ 2.5		30.6 $\pm$ 2.5
	MCHC g/dL		30.2 $\pm$ 3.0		30.6 $\pm$ 3.0		30.9 $\pm$ 3.0
	RDW-CV %		16.9 $\pm$ 3.0		15.1 $\pm$ 3.0		14.6 $\pm$ 3.0
	RDW-SD fL		49.4 $\pm$ 6.0		50.4 $\pm$ 6.0		52.1 $\pm$ 8.0
	PLT $\times 10^9/L$		57 $\pm$ 20		207 $\pm$ 40		406 $\pm$ 60
	MPV fL		12.6 $\pm$ 3.0		12.1 $\pm$ 3.0		12.0 $\pm$ 3.0
	PDW		16.0 $\pm$ 3.0		16.5 $\pm$ 3.0		16.9 $\pm$ 3.0
	PCT %		0.072 $\pm$ 0.050		0.250 $\pm$ 0.100		0.487 $\pm$ 0.200
	P-LCR %		48.6 $\pm$ 20.0		41.7 $\pm$ 10.0		41.1 $\pm$ 10.0
	P-LCC $\times 10^9/L$		28 $\pm$ 12		86 $\pm$ 24		167 $\pm$ 50
	IMG#** $\times 10^9/L$		0.05 $\pm$ 0.36		0.10 $\pm$ 0.72		0.27 $\pm$ 1.93
	IMG%**		1.4 $\pm$ 10.0		1.4 $\pm$ 10.0		1.4 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.341 $\pm$ 0.341		0.358 $\pm$ 0.358		0.542 $\pm$ 0.542
	NRBC% /100WBC		8.97 $\pm$ 8.97		4.84 $\pm$ 4.84		2.77 $\pm$ 2.77

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

\*Research use only.

\*\*Software version 1.09 or higher.

# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0924A



2024-11-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-6000	WBC $\times 10^9/L$		3.79 $\pm$ 0.50		7.56 $\pm$ 1.00		20.18 $\pm$ 2.50
BC-6100	Neu# $\times 10^9/L$		2.31 $\pm$ 0.38		3.75 $\pm$ 0.76		10.94 $\pm$ 2.02
BC-6200	Lym# $\times 10^9/L$		0.87 $\pm$ 0.31		2.73 $\pm$ 0.61		6.48 $\pm$ 1.62
BC-6000Plus	Mon# $\times 10^9/L$		0.13 $\pm$ 0.13		0.37 $\pm$ 0.37		0.91 $\pm$ 0.91
BC-6100Plus	Eos# $\times 10^9/L$		0.42 $\pm$ 0.25		0.60 $\pm$ 0.53		1.57 $\pm$ 1.41
QC Mode	Bas# $\times 10^9/L$		0.06 $\pm$ 0.06		0.11 $\pm$ 0.11		0.28 $\pm$ 0.28
	Neu%		61.1 $\pm$ 10.0		49.6 $\pm$ 10.0		54.2 $\pm$ 10.0
	Lym%		23.0 $\pm$ 8.0		36.1 $\pm$ 8.0		32.1 $\pm$ 8.0
	Mon%		3.3 $\pm$ 3.3		4.9 $\pm$ 4.9		4.5 $\pm$ 4.5
	Eos%		11.1 $\pm$ 6.5		8.0 $\pm$ 7.0		7.8 $\pm$ 7.0
	Bas%		1.5 $\pm$ 1.5		1.4 $\pm$ 1.4		1.4 $\pm$ 1.4
	RBC $\times 10^{12}/L$		2.40 $\pm$ 0.18		4.30 $\pm$ 0.24		5.21 $\pm$ 0.30
	HGB g/dL		6.0 $\pm$ 0.4		12.1 $\pm$ 0.6		15.8 $\pm$ 0.8
	HCT %		20.3 $\pm$ 1.5		40.0 $\pm$ 2.0		51.4 $\pm$ 2.4
	MCV fL		84.7 $\pm$ 5.0		93.1 $\pm$ 5.0		98.7 $\pm$ 5.0
	MCH pg		25.0 $\pm$ 2.5		28.1 $\pm$ 2.5		30.3 $\pm$ 2.5
	MCHC g/dL		29.5 $\pm$ 3.0		30.2 $\pm$ 3.0		30.7 $\pm$ 3.0
	RDW-CV %		17.7 $\pm$ 3.0		15.9 $\pm$ 3.0		15.3 $\pm$ 3.0
	RDW-SD fL		52.2 $\pm$ 6.0		52.5 $\pm$ 6.0		53.7 $\pm$ 8.0
	PLT $\times 10^9/L$		61 $\pm$ 20		211 $\pm$ 40		424 $\pm$ 60
	MPV fL		13.4 $\pm$ 3.0		12.7 $\pm$ 3.0		12.4 $\pm$ 3.0
	PDW		16.1 $\pm$ 3.0		16.5 $\pm$ 3.0		16.6 $\pm$ 3.0
	PCT %		0.082 $\pm$ 0.050		0.268 $\pm$ 0.100		0.526 $\pm$ 0.200
	P-LCR %		54.8 $\pm$ 20.0		44.6 $\pm$ 10.0		43.1 $\pm$ 10.0
	P-LCC $\times 10^9/L$		33 $\pm$ 12		94 $\pm$ 24		183 $\pm$ 50
	IMG# $\times 10^9/L$		0.05 $\pm$ 0.39		0.10 $\pm$ 0.77		0.26 $\pm$ 2.00
	IMG%		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0		1.3 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.286 $\pm$ 0.286		0.324 $\pm$ 0.324		0.515 $\pm$ 0.515
	NRBC% /100WBC		7.54 $\pm$ 7.54		4.28 $\pm$ 4.28		2.55 $\pm$ 2.55
	Micro%		3.9 $\pm$ 15.0		2.8 $\pm$ 4.0		2.2 $\pm$ 2.5
	Macro%		4.2 $\pm$ 3.0		5.3 $\pm$ 5.0		6.5 $\pm$ 10.0
	Neu-X		388.3 $\pm$ 120.0		392.4 $\pm$ 120.0		398.4 $\pm$ 120.0
	Neu-Y		515.3 $\pm$ 120.0		517.3 $\pm$ 150.0		512.9 $\pm$ 150.0
	Mon-X		205.9 $\pm$ 120.0		218.1 $\pm$ 120.0		209.3 $\pm$ 120.0
	PLT-I $\times 10^9/L$		61 $\pm$ 20		211 $\pm$ 40		424 $\pm$ 60

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# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0924A



2024-11-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-6800Plus	WBC $\times 10^9/L$		4.02 $\pm$ 0.50		7.63 $\pm$ 1.00		20.38 $\pm$ 2.50
BC-6700Plus	Neu# $\times 10^9/L$		2.49 $\pm$ 0.41		3.80 $\pm$ 0.77		11.12 $\pm$ 2.04
BC-6600Plus	Lym# $\times 10^9/L$		0.92 $\pm$ 0.32		2.75 $\pm$ 0.62		6.48 $\pm$ 1.63
QC Mode	Mon# $\times 10^9/L$		0.13 $\pm$ 0.13		0.37 $\pm$ 0.37		0.92 $\pm$ 0.92
	Eos# $\times 10^9/L$		0.42 $\pm$ 0.36		0.60 $\pm$ 0.54		1.57 $\pm$ 1.57
	Bas# $\times 10^9/L$		0.06 $\pm$ 0.06		0.11 $\pm$ 0.11		0.29 $\pm$ 0.29
	Neu%		61.7 $\pm$ 10.0		49.9 $\pm$ 10.0		54.6 $\pm$ 10.0
	Lym%		23.0 $\pm$ 8.0		36.0 $\pm$ 8.0		31.8 $\pm$ 8.0
	Mon%		3.3 $\pm$ 3.3		4.9 $\pm$ 4.9		4.5 $\pm$ 4.5
	Eos%		10.5 $\pm$ 9.0		7.8 $\pm$ 7.0		7.7 $\pm$ 7.7
	Bas%		1.5 $\pm$ 1.5		1.4 $\pm$ 1.4		1.4 $\pm$ 1.4
	RBC $\times 10^{12}/L$		2.40 $\pm$ 0.18		4.29 $\pm$ 0.24		5.14 $\pm$ 0.30
	HGB g/dL		6.0 $\pm$ 0.4		12.1 $\pm$ 0.6		15.6 $\pm$ 0.8
	HCT %		19.7 $\pm$ 1.5		39.5 $\pm$ 2.0		50.8 $\pm$ 2.4
	MCV fL		81.9 $\pm$ 5.0		92.0 $\pm$ 5.0		98.8 $\pm$ 5.0
	MCH pg		25.0 $\pm$ 2.5		28.2 $\pm$ 2.5		30.4 $\pm$ 2.5
	MCHC g/dL		30.5 $\pm$ 3.0		30.7 $\pm$ 3.0		30.7 $\pm$ 3.0
	RDW-CV %		17.1 $\pm$ 3.0		15.5 $\pm$ 3.0		15.1 $\pm$ 3.0
	RDW-SD fL		49.3 $\pm$ 6.0		50.5 $\pm$ 6.0		52.4 $\pm$ 8.0
	PLT $\times 10^9/L$		59 $\pm$ 20		208 $\pm$ 40		406 $\pm$ 60
	PLT-H $\times 10^9/L$		62 $\pm$ 20		208 $\pm$ 40		405 $\pm$ 60
	MPV fL		12.5 $\pm$ 3.0		12.2 $\pm$ 3.0		12.1 $\pm$ 3.0
	PDW		15.8 $\pm$ 3.0		16.5 $\pm$ 3.0		16.7 $\pm$ 3.0
	PCT %		0.074 $\pm$ 0.050		0.254 $\pm$ 0.100		0.491 $\pm$ 0.200
	P-LCR %		48.7 $\pm$ 20.0		42.1 $\pm$ 10.0		41.9 $\pm$ 10.0
	P-LCC $\times 10^9/L$		29 $\pm$ 12		88 $\pm$ 24		170 $\pm$ 50
	IMG# $\times 10^9/L$		0.05 $\pm$ 0.42		0.09 $\pm$ 0.75		0.24 $\pm$ 2.00
	IMG%		1.2 $\pm$ 10.0		1.2 $\pm$ 10.0		1.2 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.290 $\pm$ 0.290		0.314 $\pm$ 0.314		0.505 $\pm$ 0.505
	NRBC% /100WBC		7.22 $\pm$ 7.22		4.11 $\pm$ 4.11		2.48 $\pm$ 2.48
	Micro%		3.8 $\pm$ 15.0		2.8 $\pm$ 4.0		2.2 $\pm$ 2.5
	Macro%		4.0 $\pm$ 3.0		4.6 $\pm$ 5.0		5.2 $\pm$ 10.0
	Neu-X		359.7 $\pm$ 120.0		378.2 $\pm$ 120.0		368.2 $\pm$ 120.0
	Neu-Y		511.8 $\pm$ 120.0		506.8 $\pm$ 150.0		512.3 $\pm$ 150.0
	Mon-X		199.6 $\pm$ 120.0		208.8 $\pm$ 120.0		201.6 $\pm$ 120.0
	PLT-I $\times 10^9/L$		59 $\pm$ 20		208 $\pm$ 40		406 $\pm$ 60
	ESR* mm/h		37.26 $\pm$ 10.00		16.81 $\pm$ 4.00		/ $\pm$ /

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

\*The ESR is applicable to software version 1.25 or higher, but not applicable for High level.

# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0924A



2024-11-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-7500[B] CRP	WBC $\times 10^9/L$		3.78 $\pm$ 0.50		7.45 $\pm$ 1.00		19.77 $\pm$ 2.50
BC-7500[N] CRP	Neu# $\times 10^9/L$		2.31 $\pm$ 0.38		3.71 $\pm$ 0.75		10.75 $\pm$ 1.98
BC-7500[R] CRP	Lym# $\times 10^9/L$		0.87 $\pm$ 0.31		2.67 $\pm$ 0.60		6.29 $\pm$ 1.59
BC-7500[NR] CRP	Mon# $\times 10^9/L$		0.12 $\pm$ 0.12		0.37 $\pm$ 0.37		0.89 $\pm$ 0.89
BC-7300[B] CRP	Eos# $\times 10^9/L$		0.42 $\pm$ 0.35		0.60 $\pm$ 0.60		1.56 $\pm$ 1.56
BC-7300[N] CRP	Bas# $\times 10^9/L$		0.06 $\pm$ 0.06		0.10 $\pm$ 0.10		0.28 $\pm$ 0.28
BC-7300[R] CRP	Neu%		61.1 $\pm$ 10.0		49.8 $\pm$ 10.0		54.4 $\pm$ 10.0
BC-7300[NR] CRP	Lym%		23.1 $\pm$ 8.0		35.9 $\pm$ 8.0		31.8 $\pm$ 8.0
BC-7500[B] CS	Mon%		3.3 $\pm$ 3.3		4.9 $\pm$ 4.9		4.5 $\pm$ 4.5
BC-7500[N] CS	Eos%		11.0 $\pm$ 9.0		8.0 $\pm$ 8.0		7.9 $\pm$ 7.9
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 $\times 10^{12}/L$		2.34 $\pm$ 0.18		4.25 $\pm$ 0.24		5.21 $\pm$ 0.30
QC Mode	HGB g/dL		6.0 $\pm$ 0.4		12.2 $\pm$ 0.6		16.0 $\pm$ 0.8
	HCT %		19.3 $\pm$ 1.5		39.4 $\pm$ 2.0		51.8 $\pm$ 2.4
	MCV fL		82.5 $\pm$ 5.0		92.6 $\pm$ 5.0		99.4 $\pm$ 5.0
	MCH pg		25.6 $\pm$ 2.5		28.7 $\pm$ 2.5		30.7 $\pm$ 2.5
	MCHC g/dL		31.1 $\pm$ 3.0		31.0 $\pm$ 3.0		30.9 $\pm$ 3.0
	RDW-CV %		18.3 $\pm$ 3.0		15.7 $\pm$ 3.0		14.8 $\pm$ 3.0
	RDW-SD fL		55.0 $\pm$ 6.0		53.1 $\pm$ 6.0		53.7 $\pm$ 8.0
	PLT $\times 10^9/L$		60 $\pm$ 20		205 $\pm$ 40		396 $\pm$ 60
	MPV fL		13.1 $\pm$ 3.0		12.5 $\pm$ 3.0		12.3 $\pm$ 3.0
	PDW		16.3 $\pm$ 3.0		16.8 $\pm$ 3.0		16.8 $\pm$ 3.0
	PCT %		0.079 $\pm$ 0.050		0.256 $\pm$ 0.100		0.487 $\pm$ 0.200
	P-LCR %		53.1 $\pm$ 20.0		43.8 $\pm$ 10.0		43.4 $\pm$ 10.0
	P-LCC $\times 10^9/L$		32 $\pm$ 12		90 $\pm$ 24		172 $\pm$ 50
	IMG# $\times 10^9/L$		0.05 $\pm$ 0.42		0.09 $\pm$ 0.75		0.24 $\pm$ 2.00
	IMG%		1.2 $\pm$ 10.0		1.2 $\pm$ 10.0		1.2 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.277 $\pm$ 0.277		0.321 $\pm$ 0.321		0.498 $\pm$ 0.498
	NRBC% /100WBC		7.34 $\pm$ 7.34		4.31 $\pm$ 4.31		2.52 $\pm$ 2.52

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# BC-6D

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CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0924A



2024-11-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-700[B]	WBC $\times 10^9/L$		3.86 $\pm$ 0.50		7.69 $\pm$ 1.00		20.40 $\pm$ 2.50
BC-760[B]	Neu# $\times 10^9/L$		2.47 $\pm$ 0.39		4.03 $\pm$ 0.77		11.58 $\pm$ 2.04
BC-700[B] CS	Lym# $\times 10^9/L$		0.88 $\pm$ 0.31		2.71 $\pm$ 0.62		6.43 $\pm$ 1.64
BC-760[B] CS	Mon# $\times 10^9/L$		0.12 $\pm$ 0.12		0.37 $\pm$ 0.37		0.88 $\pm$ 0.88
BC-700[R]	Eos# $\times 10^9/L$		0.34 $\pm$ 0.34		0.48 $\pm$ 0.48		1.22 $\pm$ 1.22
BC-720[R]	Bas# $\times 10^9/L$		0.05 $\pm$ 0.18		0.10 $\pm$ 0.39		0.29 $\pm$ 1.04
BC-760[R]	Neu%		63.8 $\pm$ 10.0		52.4 $\pm$ 10.0		56.8 $\pm$ 10.0
BC-780[R]	Lym%		22.7 $\pm$ 8.0		35.2 $\pm$ 8.0		31.5 $\pm$ 8.0
BC-700[R] CS	Mon%		3.2 $\pm$ 3.2		4.8 $\pm$ 4.8		4.3 $\pm$ 4.3
BC-760[R] CS	Eos%		8.9 $\pm$ 8.9		6.3 $\pm$ 6.3		6.0 $\pm$ 6.0
BP 200n	Bas%		1.4 $\pm$ 5.0		1.3 $\pm$ 5.0		1.4 $\pm$ 5.0
BP 260n	RBC $\times 10^{12}/L$		2.36 $\pm$ 0.18		4.24 $\pm$ 0.24		5.20 $\pm$ 0.30
QC Mode	HGB g/dL		5.9 $\pm$ 0.4		12.1 $\pm$ 0.6		15.8 $\pm$ 0.8
	HCT %		19.8 $\pm$ 1.5		39.9 $\pm$ 2.0		52.6 $\pm$ 2.4
	MCV fL		83.9 $\pm$ 5.0		94.1 $\pm$ 5.0		101.1 $\pm$ 5.0
	MCH pg		25.0 $\pm$ 2.5		28.5 $\pm$ 2.5		30.4 $\pm$ 2.5
	MCHC g/dL		29.8 $\pm$ 3.0		30.3 $\pm$ 3.0		30.1 $\pm$ 3.0
	RDW-CV %		18.2 $\pm$ 3.0		15.7 $\pm$ 3.0		14.9 $\pm$ 3.0
	RDW-SD fL		55.6 $\pm$ 6.0		54.1 $\pm$ 6.0		54.5 $\pm$ 8.0
	PLT $\times 10^9/L$		62 $\pm$ 20		207 $\pm$ 40		406 $\pm$ 60
	PLT-H $\times 10^9/L$		65 $\pm$ 20		209 $\pm$ 40		411 $\pm$ 60
	MPV fL		13.0 $\pm$ 3.0		12.5 $\pm$ 3.0		12.3 $\pm$ 3.0
	PDW		16.3 $\pm$ 3.0		16.7 $\pm$ 3.0		16.9 $\pm$ 3.0
	PCT %		0.081 $\pm$ 0.050		0.259 $\pm$ 0.100		0.499 $\pm$ 0.200
	P-LCR %		52.5 $\pm$ 20.0		44.0 $\pm$ 10.0		43.0 $\pm$ 10.0
	P-LCC $\times 10^9/L$		33 $\pm$ 12		91 $\pm$ 24		175 $\pm$ 50
	IMG# $\times 10^9/L$		0.05 $\pm$ 0.42		0.10 $\pm$ 0.77		0.24 $\pm$ 2.00
	IMG%		1.2 $\pm$ 10.0		1.3 $\pm$ 10.0		1.2 $\pm$ 10.0
	NRBC# $\times 10^9/L$		0.095 $\pm$ 0.095		0.156 $\pm$ 0.156		0.465 $\pm$ 0.465
	NRBC% /100WBC		2.47 $\pm$ 2.47		2.03 $\pm$ 2.03		2.28 $\pm$ 2.28
	IPF %		2.4 $\pm$ 5.0		2.5 $\pm$ 5.0		2.6 $\pm$ 5.0
	ESR mm/h		38.70 $\pm$ 10.00		16.05 $\pm$ 4.00		/ $\pm$ /

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

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



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IVD

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