

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB1124A



2025-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB1124AL	LOT	MB1124AN	LOT	MB1124AH
BC-6800,BC-6600	WBC $\times 10^9/L$		4.00 \pm 0.50		7.22 \pm 1.00		19.77 \pm 2.50
QC Mode	Neu# $\times 10^9/L$		2.14 \pm 0.40		3.47 \pm 0.73		10.85 \pm 1.98
	Lym# $\times 10^9/L$		1.11 \pm 0.32		2.69 \pm 0.58		6.41 \pm 1.59
	Mon# $\times 10^9/L$		0.16 \pm 0.16		0.37 \pm 0.37		0.89 \pm 0.89
	Eos# $\times 10^9/L$		0.55 \pm 0.37		0.61 \pm 0.47		1.40 \pm 1.40
	Bas# $\times 10^9/L$		0.04 \pm 0.19		0.08 \pm 0.37		0.22 \pm 1.00
	Neu%		53.5 \pm 10.0		48.0 \pm 10.0		54.9 \pm 10.0
	Lym%		27.8 \pm 8.0		37.3 \pm 8.0		32.4 \pm 8.0
	Mon%		3.9 \pm 3.9		5.1 \pm 5.1		4.5 \pm 4.5
	Eos%		13.7 \pm 9.0		8.5 \pm 6.5		7.1 \pm 7.1
	Bas%		1.1 \pm 5.0		1.1 \pm 5.0		1.1 \pm 5.0
	RBC $\times 10^{12}/L$		2.31 \pm 0.18		4.18 \pm 0.24		5.01 \pm 0.30
	HGB g/dL		5.8 \pm 0.4		12.1 \pm 0.6		15.5 \pm 0.8
	HCT %		19.1 \pm 1.5		38.7 \pm 2.0		49.5 \pm 2.4
	MCV fL		82.5 \pm 5.0		92.6 \pm 5.0		98.8 \pm 5.0
	MCH pg		25.1 \pm 2.5		28.9 \pm 2.5		30.9 \pm 2.5
	MCHC g/dL		30.4 \pm 3.0		31.3 \pm 3.0		31.3 \pm 3.0
	RDW-CV %		17.1 \pm 3.0		15.0 \pm 3.0		14.7 \pm 3.0
	RDW-SD fL		49.6 \pm 6.0		49.6 \pm 6.0		51.4 \pm 8.0
	PLT $\times 10^9/L$		52 \pm 20		193 \pm 40		384 \pm 60
	MPV fL		10.7 \pm 3.0		9.9 \pm 3.0		11.0 \pm 3.0
	PDW		16.2 \pm 3.0		16.6 \pm 3.0		16.7 \pm 3.0
	PCT %		0.056 \pm 0.050		0.191 \pm 0.100		0.422 \pm 0.200
	P-LCR %		33.2 \pm 20.0		25.8 \pm 10.0		34.5 \pm 10.0
	P-LCC $\times 10^9/L$		17 \pm 12		50 \pm 24		132 \pm 50
	IMG#** $\times 10^9/L$		0.05 \pm 0.39		0.09 \pm 0.70		0.26 \pm 2.00
	IMG%**		1.3 \pm 10.0		1.3 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.333 \pm 0.333		0.344 \pm 0.344		0.504 \pm 0.504
	NRBC% /100WBC		8.32 \pm 8.32		4.76 \pm 4.76		2.55 \pm 2.55

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

*Research use only.

**Software version 1.09 or higher.

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LOT MB1124A



2025-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB1124AL	LOT	MB1124AN	LOT	MB1124AH
BC-6000	WBC $\times 10^9/L$		3.92 \pm 0.50		7.31 \pm 1.00		20.22 \pm 2.50
BC-6100	Neu# $\times 10^9/L$		2.09 \pm 0.40		3.47 \pm 0.74		11.07 \pm 2.03
BC-6200	Lym# $\times 10^9/L$		1.09 \pm 0.32		2.74 \pm 0.59		6.61 \pm 1.62
BC-6000Plus	Mon# $\times 10^9/L$		0.15 \pm 0.15		0.37 \pm 0.37		0.91 \pm 0.91
BC-6100Plus	Eos# $\times 10^9/L$		0.53 \pm 0.26		0.62 \pm 0.52		1.33 \pm 1.21
QC Mode	Bas# $\times 10^9/L$		0.06 \pm 0.06		0.11 \pm 0.11		0.30 \pm 0.30
	Neu%		53.4 \pm 10.0		47.4 \pm 10.0		54.7 \pm 10.0
	Lym%		27.8 \pm 8.0		37.5 \pm 8.0		32.7 \pm 8.0
	Mon%		3.9 \pm 3.9		5.1 \pm 5.1		4.5 \pm 4.5
	Eos%		13.4 \pm 6.5		8.5 \pm 7.0		6.6 \pm 6.0
	Bas%		1.5 \pm 1.5		1.5 \pm 1.5		1.5 \pm 1.5
	RBC $\times 10^{12}/L$		2.32 \pm 0.18		4.22 \pm 0.24		5.10 \pm 0.30
	HGB g/dL		5.9 \pm 0.4		12.2 \pm 0.6		15.7 \pm 0.8
	HCT %		19.6 \pm 1.5		39.6 \pm 2.0		50.5 \pm 2.4
	MCV fL		84.6 \pm 5.0		93.9 \pm 5.0		99.1 \pm 5.0
	MCH pg		25.4 \pm 2.5		28.9 \pm 2.5		30.8 \pm 2.5
	MCHC g/dL		30.1 \pm 3.0		30.8 \pm 3.0		31.1 \pm 3.0
	RDW-CV %		17.5 \pm 3.0		15.4 \pm 3.0		15.3 \pm 3.0
	RDW-SD fL		52.6 \pm 6.0		51.9 \pm 6.0		52.2 \pm 8.0
	PLT $\times 10^9/L$		55 \pm 20		202 \pm 40		399 \pm 60
	MPV fL		11.6 \pm 3.0		10.1 \pm 3.0		11.1 \pm 3.0
	PDW		16.4 \pm 3.0		16.5 \pm 3.0		16.6 \pm 3.0
	PCT %		0.064 \pm 0.050		0.204 \pm 0.100		0.443 \pm 0.200
	P-LCR %		40.1 \pm 20.0		28.4 \pm 10.0		37.7 \pm 10.0
	P-LCC $\times 10^9/L$		22 \pm 12		57 \pm 24		150 \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# $\times 10^9/L$		0.280 \pm 0.280		0.309 \pm 0.309		0.427 \pm 0.427
	NRBC% /100WBC		7.15 \pm 7.15		4.23 \pm 4.23		2.11 \pm 2.11
	Micro%		3.6 \pm 15.0		2.6 \pm 4.0		2.0 \pm 2.5
	Macro%		4.4 \pm 3.0		5.3 \pm 5.0		6.5 \pm 10.0
	Neu-X		400.0 \pm 120.0		394.9 \pm 120.0		402.8 \pm 120.0
	Neu-Y		518.2 \pm 120.0		517.2 \pm 150.0		515.9 \pm 150.0
	Mon-X		223.9 \pm 120.0		213.5 \pm 120.0		218.9 \pm 120.0
	PLT-I $\times 10^9/L$		55 \pm 20		202 \pm 40		399 \pm 60

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BC-6D

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CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB1124A



2025-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB1124AL	LOT	MB1124AN	LOT	MB1124AH
BC-6800Plus	WBC $\times 10^9/L$		4.13 \pm 0.50		7.39 \pm 1.00		20.39 \pm 2.50
BC-6700Plus	Neu# $\times 10^9/L$		2.22 \pm 0.42		3.58 \pm 0.74		11.14 \pm 2.04
BC-6600Plus	Lym# $\times 10^9/L$		1.14 \pm 0.33		2.72 \pm 0.60		6.63 \pm 1.64
QC Mode	Mon# $\times 10^9/L$		0.16 \pm 0.16		0.38 \pm 0.38		0.92 \pm 0.92
	Eos# $\times 10^9/L$		0.55 \pm 0.38		0.61 \pm 0.52		1.41 \pm 1.41
	Bas# $\times 10^9/L$		0.06 \pm 0.06		0.10 \pm 0.10		0.29 \pm 0.29
	Neu%		53.7 \pm 10.0		48.4 \pm 10.0		54.7 \pm 10.0
	Lym%		27.6 \pm 8.0		36.8 \pm 8.0		32.5 \pm 8.0
	Mon%		3.9 \pm 3.9		5.1 \pm 5.1		4.5 \pm 4.5
	Eos%		13.3 \pm 9.0		8.3 \pm 7.0		6.9 \pm 6.9
	Bas%		1.5 \pm 1.5		1.4 \pm 1.4		1.4 \pm 1.4
	RBC $\times 10^{12}/L$		2.31 \pm 0.18		4.23 \pm 0.24		5.05 \pm 0.30
	HGB g/dL		5.8 \pm 0.4		12.0 \pm 0.6		15.5 \pm 0.8
	HCT %		19.0 \pm 1.5		39.3 \pm 2.0		50.4 \pm 2.4
	MCV fL		82.2 \pm 5.0		93.0 \pm 5.0		99.8 \pm 5.0
	MCH pg		25.1 \pm 2.5		28.4 \pm 2.5		30.7 \pm 2.5
	MCHC g/dL		30.5 \pm 3.0		30.5 \pm 3.0		30.8 \pm 3.0
	RDW-CV %		17.0 \pm 3.0		14.9 \pm 3.0		14.4 \pm 3.0
	RDW-SD fL		49.1 \pm 6.0		48.6 \pm 6.0		50.4 \pm 8.0
	PLT $\times 10^9/L$		53 \pm 20		198 \pm 40		391 \pm 60
	PLT-H $\times 10^9/L$		53 \pm 20		197 \pm 40		389 \pm 60
	MPV fL		10.6 \pm 3.0		10.0 \pm 3.0		11.1 \pm 3.0
	PDW		15.9 \pm 3.0		16.6 \pm 3.0		16.6 \pm 3.0
	PCT %		0.056 \pm 0.050		0.198 \pm 0.100		0.434 \pm 0.200
	P-LCR %		32.2 \pm 20.0		26.3 \pm 10.0		34.3 \pm 10.0
	P-LCC $\times 10^9/L$		17 \pm 12		52 \pm 24		134 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.39		0.09 \pm 0.75		0.24 \pm 2.00
	IMG%		1.3 \pm 10.0		1.2 \pm 10.0		1.2 \pm 10.0
	NRBC# $\times 10^9/L$		0.294 \pm 0.294		0.310 \pm 0.310		0.457 \pm 0.457
	NRBC% /100WBC		7.13 \pm 7.13		4.19 \pm 4.19		2.24 \pm 2.24
	Micro%		3.5 \pm 15.0		2.5 \pm 4.0		2.1 \pm 2.5
	Macro%		4.1 \pm 3.0		4.6 \pm 5.0		5.3 \pm 10.0
	Neu-X		381.0 \pm 120.0		375.7 \pm 120.0		377.8 \pm 120.0
	Neu-Y		510.0 \pm 120.0		508.3 \pm 150.0		507.1 \pm 150.0
	Mon-X		220.2 \pm 120.0		207.0 \pm 120.0		212.5 \pm 120.0
	PLT-I $\times 10^9/L$		53 \pm 20		198 \pm 40		391 \pm 60
	ESR* mm/h		36.60 \pm 10.00		15.87 \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

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ASSAY VALUES AND EXPECTED RANGES

LOT MB1124A



2025-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB1124AL	LOT	MB1124AN	LOT	MB1124AH
BC-7500[B] CRP	WBC $\times 10^9/L$		3.88 \pm 0.50		7.24 \pm 1.00		20.14 \pm 2.50
BC-7500[N] CRP	Neu# $\times 10^9/L$		2.09 \pm 0.39		3.51 \pm 0.73		11.03 \pm 2.02
BC-7500[R] CRP	Lym# $\times 10^9/L$		1.06 \pm 0.32		2.65 \pm 0.58		6.53 \pm 1.62
BC-7500[NR] CRP	Mon# $\times 10^9/L$		0.15 \pm 0.15		0.36 \pm 0.36		0.91 \pm 0.91
BC-7300[B] CRP	Eos# $\times 10^9/L$		0.52 \pm 0.35		0.62 \pm 0.62		1.39 \pm 1.39
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%		54.0 \pm 10.0		48.4 \pm 10.0		54.8 \pm 10.0
BC-7300[NR] CRP	Lym%		27.3 \pm 8.0		36.6 \pm 8.0		32.4 \pm 8.0
BC-7500[B] CS	Mon%		3.8 \pm 3.8		5.0 \pm 5.0		4.5 \pm 4.5
BC-7500[N] CS	Eos%		13.4 \pm 9.0		8.6 \pm 8.6		6.9 \pm 6.9
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 $\times 10^{12}/L$		2.26 \pm 0.18		4.18 \pm 0.24		5.11 \pm 0.30
QC Mode	HGB g/dL		5.7 \pm 0.4		12.1 \pm 0.6		15.7 \pm 0.8
	HCT %		18.6 \pm 1.5		39.0 \pm 2.0		51.2 \pm 2.4
	MCV fL		82.4 \pm 5.0		93.3 \pm 5.0		100.2 \pm 5.0
	MCH pg		25.2 \pm 2.5		28.9 \pm 2.5		30.7 \pm 2.5
	MCHC g/dL		30.6 \pm 3.0		31.0 \pm 3.0		30.7 \pm 3.0
	RDW-CV %		18.2 \pm 3.0		15.0 \pm 3.0		14.2 \pm 3.0
	RDW-SD fL		54.7 \pm 6.0		51.3 \pm 6.0		51.8 \pm 8.0
	PLT $\times 10^9/L$		53 \pm 20		195 \pm 40		383 \pm 60
	MPV fL		10.7 \pm 3.0		10.3 \pm 3.0		11.2 \pm 3.0
	PDW		16.5 \pm 3.0		16.9 \pm 3.0		16.8 \pm 3.0
	PCT %		0.057 \pm 0.050		0.201 \pm 0.100		0.429 \pm 0.200
	P-LCR %		34.0 \pm 20.0		27.9 \pm 10.0		36.0 \pm 10.0
	P-LCC $\times 10^9/L$		18 \pm 12		54 \pm 24		138 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.42		0.09 \pm 0.70		0.26 \pm 2.00
	IMG%		1.2 \pm 10.0		1.3 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.275 \pm 0.275		0.305 \pm 0.305		0.461 \pm 0.461
	NRBC% /100WBC		7.09 \pm 7.09		4.21 \pm 4.21		2.29 \pm 2.29

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LOT MB1124A



2025-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB1124AL	LOT	MB1124AN	LOT	MB1124AH
BC-700[B]	WBC $\times 10^9/L$		4.03 \pm 0.50		7.63 \pm 1.00		20.73 \pm 2.50
BC-760[B]	Neu# $\times 10^9/L$		2.25 \pm 0.41		3.90 \pm 0.77		11.80 \pm 2.08
BC-700[B] CS	Lym# $\times 10^9/L$		1.09 \pm 0.33		2.73 \pm 0.61		6.63 \pm 1.66
BC-760[B] CS	Mon# $\times 10^9/L$		0.15 \pm 0.15		0.37 \pm 0.37		0.93 \pm 0.93
BC-700[R]	Eos# $\times 10^9/L$		0.48 \pm 0.48		0.52 \pm 0.52		1.08 \pm 1.08
BC-720[R]	Bas# $\times 10^9/L$		0.06 \pm 0.22		0.11 \pm 0.40		0.29 \pm 1.04
BC-760[R]	Neu%		55.9 \pm 10.0		51.1 \pm 10.0		56.9 \pm 10.0
BC-780[R]	Lym%		27.0 \pm 8.0		35.8 \pm 8.0		32.0 \pm 8.0
BC-700[R] CS	Mon%		3.8 \pm 3.8		4.9 \pm 4.9		4.5 \pm 4.5
BC-760[R] CS	Eos%		11.9 \pm 11.9		6.8 \pm 6.8		5.2 \pm 5.2
BP 200n	Bas%		1.4 \pm 5.0		1.4 \pm 5.0		1.4 \pm 5.0
BP 260n	RBC $\times 10^{12}/L$		2.28 \pm 0.18		4.20 \pm 0.24		5.09 \pm 0.30
QC Mode	HGB g/dL		5.7 \pm 0.4		12.0 \pm 0.6		15.6 \pm 0.8
	HCT %		19.1 \pm 1.5		39.7 \pm 2.0		51.5 \pm 2.4
	MCV fL		83.7 \pm 5.0		94.6 \pm 5.0		101.2 \pm 5.0
	MCH pg		25.0 \pm 2.5		28.6 \pm 2.5		30.6 \pm 2.5
	MCHC g/dL		29.9 \pm 3.0		30.2 \pm 3.0		30.3 \pm 3.0
	RDW-CV %		18.2 \pm 3.0		15.1 \pm 3.0		14.3 \pm 3.0
	RDW-SD fL		55.3 \pm 6.0		52.2 \pm 6.0		52.5 \pm 8.0
	PLT $\times 10^9/L$		56 \pm 20		202 \pm 40		393 \pm 60
	PLT-H $\times 10^9/L$		57 \pm 20		204 \pm 40		398 \pm 60
	MPV fL		11.0 \pm 3.0		10.2 \pm 3.0		11.2 \pm 3.0
	PDW		16.5 \pm 3.0		16.8 \pm 3.0		16.9 \pm 3.0
	PCT %		0.062 \pm 0.050		0.206 \pm 0.100		0.440 \pm 0.200
	P-LCR %		35.8 \pm 20.0		27.4 \pm 10.0		35.5 \pm 10.0
	P-LCC $\times 10^9/L$		20 \pm 12		55 \pm 24		140 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.39		0.10 \pm 0.77		0.25 \pm 2.09
	IMG%		1.3 \pm 10.0		1.3 \pm 10.0		1.2 \pm 10.0
	NRBC# $\times 10^9/L$		0.086 \pm 0.086		0.147 \pm 0.147		0.460 \pm 0.460
	NRBC% /100WBC		2.13 \pm 2.13		1.93 \pm 1.93		2.22 \pm 2.22
	IPF %		2.5 \pm 5.0		2.4 \pm 5.0		2.5 \pm 5.0
	ESR mm/h		38.27 \pm 10.00		15.17 \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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