

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0124A



2024-03-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
BC-6800,BC-6600	WBC $\times 10^9/L$		3.66 \pm 0.50		7.38 \pm 1.00		19.97 \pm 2.50
QC Mode	Neu# $\times 10^9/L$		2.04 \pm 0.37		3.63 \pm 0.74		10.46 \pm 2.00
	Lym# $\times 10^9/L$		0.96 \pm 0.30		2.72 \pm 0.59		6.83 \pm 1.60
	Mon# $\times 10^9/L$		0.13 \pm 0.13		0.35 \pm 0.35		0.98 \pm 0.98
	Eos# $\times 10^9/L$		0.49 \pm 0.33		0.60 \pm 0.49		1.44 \pm 1.44
	Bas# $\times 10^9/L$		0.04 \pm 0.19		0.08 \pm 0.37		0.26 \pm 1.00
	Neu%		55.7 \pm 10.0		49.1 \pm 10.0		52.4 \pm 10.0
	Lym%		26.1 \pm 8.0		36.9 \pm 8.0		34.2 \pm 8.0
	Mon%		3.6 \pm 3.6		4.8 \pm 4.8		4.9 \pm 4.9
	Eos%		13.5 \pm 9.0		8.1 \pm 6.5		7.2 \pm 7.2
	Bas%		1.1 \pm 5.0		1.1 \pm 5.0		1.3 \pm 5.0
	RBC $\times 10^{12}/L$		2.37 \pm 0.18		4.19 \pm 0.24		5.08 \pm 0.30
	HGB g/dL		6.1 \pm 0.4		12.2 \pm 0.6		16.0 \pm 0.8
	HCT %		19.7 \pm 1.5		38.8 \pm 2.0		51.5 \pm 2.4
	MCV fL		83.0 \pm 5.0		92.6 \pm 5.0		101.3 \pm 5.0
	MCH pg		25.7 \pm 2.5		29.1 \pm 2.5		31.5 \pm 2.5
	MCHC g/dL		31.0 \pm 3.0		31.4 \pm 3.0		31.1 \pm 3.0
	RDW-CV %		17.5 \pm 3.0		15.6 \pm 3.0		14.2 \pm 3.0
	RDW-SD fL		50.8 \pm 6.0		50.5 \pm 6.0		51.5 \pm 8.0
	PLT $\times 10^9/L$		55 \pm 20		205 \pm 40		392 \pm 60
	MPV fL		12.6 \pm 3.0		12.1 \pm 3.0		11.7 \pm 3.0
	PDW		15.8 \pm 3.0		16.5 \pm 3.0		17.0 \pm 3.0
	PCT %		0.069 \pm 0.050		0.248 \pm 0.100		0.459 \pm 0.200
	P-LCR %		49.7 \pm 10.0		41.3 \pm 10.0		38.3 \pm 10.0
	P-LCC $\times 10^9/L$		27 \pm 8		85 \pm 24		150 \pm 50
	IMG#** $\times 10^9/L$		0.04 \pm 0.37		0.08 \pm 0.73		0.28 \pm 2.00
	IMG%**		1.1 \pm 10.0		1.1 \pm 10.0		1.4 \pm 10.0
	NRBC# $\times 10^9/L$		0.361 \pm 0.361		0.368 \pm 0.368		0.601 \pm 0.601
	NRBC% /100WBC		9.87 \pm 9.87		4.98 \pm 4.98		3.01 \pm 3.01

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

*Research use only.

**Software version 1.09 or higher.

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		LOT	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
BC-6000	WBC $\times 10^9/L$		3.59 \pm 0.50		7.46 \pm 1.00		20.41 \pm 2.50
BC-6100	Neu# $\times 10^9/L$		2.05 \pm 0.37		3.69 \pm 0.75		10.73 \pm 2.04
BC-6200	Lym# $\times 10^9/L$		0.90 \pm 0.29		2.71 \pm 0.60		6.98 \pm 1.64
BC-6000Plus	Mon# $\times 10^9/L$		0.13 \pm 0.13		0.37 \pm 0.37		0.96 \pm 0.96
BC-6100Plus	Eos# $\times 10^9/L$		0.46 \pm 0.24		0.59 \pm 0.53		1.47 \pm 1.43
QC Mode	Bas# $\times 10^9/L$		0.05 \pm 0.05		0.10 \pm 0.08		0.27 \pm 0.21
	Neu%		56.8 \pm 10.0		49.4 \pm 10.0		52.6 \pm 10.0
	Lym%		25.1 \pm 8.0		36.3 \pm 8.0		34.2 \pm 8.0
	Mon%		3.7 \pm 3.7		5.0 \pm 5.0		4.7 \pm 4.7
	Eos%		12.9 \pm 6.5		7.9 \pm 7.0		7.2 \pm 7.0
	Bas%		1.5 \pm 1.5		1.4 \pm 1.0		1.3 \pm 1.0
	RBC $\times 10^{12}/L$		2.38 \pm 0.18		4.23 \pm 0.24		5.15 \pm 0.30
	HGB g/dL		6.0 \pm 0.4		12.2 \pm 0.6		15.9 \pm 0.8
	HCT %		20.3 \pm 1.5		39.9 \pm 2.0		51.9 \pm 2.4
	MCV fL		85.4 \pm 5.0		94.4 \pm 5.0		100.8 \pm 5.0
	MCH pg		25.2 \pm 2.5		28.8 \pm 2.5		30.9 \pm 2.5
	MCHC g/dL		29.5 \pm 3.0		30.6 \pm 3.0		30.6 \pm 3.0
	RDW-CV %		17.8 \pm 3.0		15.3 \pm 3.0		14.4 \pm 3.0
	RDW-SD fL		54.7 \pm 6.0		52.8 \pm 6.0		53.3 \pm 8.0
	PLT $\times 10^9/L$		55 \pm 20		206 \pm 40		403 \pm 60
	MPV fL		14.0 \pm 3.0		12.9 \pm 3.0		12.2 \pm 3.0
	PDW		16.0 \pm 3.0		16.3 \pm 3.0		16.8 \pm 3.0
	PCT %		0.077 \pm 0.050		0.266 \pm 0.100		0.492 \pm 0.200
	P-LCR %		58.4 \pm 10.0		46.9 \pm 10.0		42.0 \pm 10.0
	P-LCC $\times 10^9/L$		32 \pm 8		97 \pm 24		169 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.39		0.10 \pm 0.77		0.27 \pm 2.08
	IMG%		1.3 \pm 10.0		1.3 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.305 \pm 0.305		0.336 \pm 0.336		0.539 \pm 0.539
	NRBC% /100WBC		8.49 \pm 8.49		4.51 \pm 4.51		2.64 \pm 2.64
	Micro%	/	\pm /	/	\pm /	/	\pm /
	Macro%	/	\pm /	/	\pm /	/	\pm /
	Neu-X	/	\pm /	/	\pm /	/	\pm /
	Neu-Y	/	\pm /	/	\pm /	/	\pm /
	Mon-X	/	\pm /	/	\pm /	/	\pm /
	PLT-I $\times 10^9/L$	/	\pm /	/	\pm /	/	\pm /

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
BC-6800Plus	WBC $\times 10^9/L$		3.78 \pm 0.50		7.57 \pm 1.00		20.90 \pm 2.50
BC-6700Plus	Neu# $\times 10^9/L$		2.13 \pm 0.38		3.71 \pm 0.76		11.02 \pm 2.10
BC-6600Plus	Lym# $\times 10^9/L$		0.96 \pm 0.31		2.79 \pm 0.61		7.13 \pm 1.68
QC Mode	Mon# $\times 10^9/L$		0.14 \pm 0.14		0.38 \pm 0.38		1.00 \pm 1.00
	Eos# $\times 10^9/L$		0.49 \pm 0.35		0.58 \pm 0.54		1.46 \pm 1.46
	Bas# $\times 10^9/L$		0.06 \pm 0.06		0.11 \pm 0.11		0.29 \pm 0.29
	Neu%		56.6 \pm 10.0		49.2 \pm 10.0		52.7 \pm 10.0
	Lym%		25.4 \pm 8.0		36.8 \pm 8.0		34.1 \pm 8.0
	Mon%		3.6 \pm 3.6		5.0 \pm 5.0		4.8 \pm 4.8
	Eos%		12.9 \pm 9.0		7.6 \pm 7.0		7.0 \pm 7.0
	Bas%		1.5 \pm 1.5		1.4 \pm 1.4		1.4 \pm 1.4
	RBC $\times 10^{12}/L$		2.39 \pm 0.18		4.24 \pm 0.24		5.11 \pm 0.30
	HGB g/dL		6.0 \pm 0.4		12.2 \pm 0.6		15.8 \pm 0.8
	HCT %		19.7 \pm 1.5		39.6 \pm 2.0		51.5 \pm 2.4
	MCV fL		82.5 \pm 5.0		93.3 \pm 5.0		100.8 \pm 5.0
	MCH pg		25.1 \pm 2.5		28.8 \pm 2.5		30.9 \pm 2.5
	MCHC g/dL		30.4 \pm 3.0		30.8 \pm 3.0		30.7 \pm 3.0
	RDW-CV %		17.3 \pm 3.0		15.1 \pm 3.0		14.3 \pm 3.0
	RDW-SD fL		49.5 \pm 6.0		48.9 \pm 6.0		50.2 \pm 8.0
	PLT $\times 10^9/L$		54 \pm 20		204 \pm 40		386 \pm 60
	PLT-H $\times 10^9/L$		55 \pm 20		203 \pm 40		384 \pm 60
	MPV fL		12.6 \pm 3.0		12.1 \pm 3.0		11.8 \pm 3.0
	PDW		15.5 \pm 3.0		16.4 \pm 3.0		16.9 \pm 3.0
	PCT %		0.068 \pm 0.050		0.247 \pm 0.100		0.455 \pm 0.200
	P-LCR %		49.7 \pm 10.0		41.4 \pm 10.0		39.2 \pm 10.0
	P-LCC $\times 10^9/L$		27 \pm 8		84 \pm 24		151 \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# $\times 10^9/L$		0.316 \pm 0.316		0.330 \pm 0.330		0.556 \pm 0.556
	NRBC% /100WBC		8.35 \pm 8.35		4.36 \pm 4.36		2.66 \pm 2.66
	Micro%	/	\pm /	/	\pm /	/	\pm /
	Macro%	/	\pm /	/	\pm /	/	\pm /
	Neu-X	/	\pm /	/	\pm /	/	\pm /
	Neu-Y	/	\pm /	/	\pm /	/	\pm /
	Mon-X	/	\pm /	/	\pm /	/	\pm /
	PLT-I $\times 10^9/L$	/	\pm /	/	\pm /	/	\pm /

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
BC-7500[B] CRP	WBC $\times 10^9/L$		3.60 \pm 0.50		7.52 \pm 1.00		20.61 \pm 2.50
BC-7500[N] CRP	Neu# $\times 10^9/L$		2.02 \pm 0.36		3.69 \pm 0.75		10.88 \pm 2.07
BC-7500[R] CRP	Lym# $\times 10^9/L$		0.91 \pm 0.29		2.73 \pm 0.61		7.03 \pm 1.65
BC-7500[NR] CRP	Mon# $\times 10^9/L$		0.13 \pm 0.13		0.38 \pm 0.38		0.97 \pm 0.97
BC-7300[B] CRP	Eos# $\times 10^9/L$		0.49 \pm 0.33		0.61 \pm 0.61		1.44 \pm 1.44
BC-7300[N] CRP	Bas# $\times 10^9/L$		0.05 \pm 0.05		0.11 \pm 0.11		0.29 \pm 0.29
BC-7300[R] CRP	Neu%		56.2 \pm 10.0		49.2 \pm 10.0		52.8 \pm 10.0
BC-7300[NR] CRP	Lym%		25.2 \pm 8.0		36.3 \pm 8.0		34.1 \pm 8.0
BC-7500[B] CS	Mon%		3.6 \pm 3.6		5.0 \pm 5.0		4.7 \pm 4.7
BC-7500[N] CS	Eos%		13.5 \pm 9.0		8.1 \pm 8.1		7.0 \pm 7.0
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		4.23 \pm 0.24		5.18 \pm 0.30
QC Mode	HGB g/dL		5.9 \pm 0.4		12.2 \pm 0.6		16.0 \pm 0.8
	HCT %		19.4 \pm 1.5		39.7 \pm 2.0		52.5 \pm 2.4
	MCV fL		83.1 \pm 5.0		93.8 \pm 5.0		101.4 \pm 5.0
	MCH pg		25.2 \pm 2.5		28.8 \pm 2.5		30.9 \pm 2.5
	MCHC g/dL		30.3 \pm 3.0		30.7 \pm 3.0		30.5 \pm 3.0
	RDW-CV %		18.5 \pm 3.0		15.2 \pm 3.0		14.2 \pm 3.0
	RDW-SD fL		54.3 \pm 6.0		50.7 \pm 6.0		50.9 \pm 8.0
	PLT $\times 10^9/L$		55 \pm 20		204 \pm 40		389 \pm 60
	MPV fL		12.8 \pm 3.0		12.2 \pm 3.0		11.7 \pm 3.0
	PDW		16.0 \pm 3.0		16.7 \pm 3.0		17.1 \pm 3.0
	PCT %		0.070 \pm 0.050		0.249 \pm 0.100		0.455 \pm 0.200
	P-LCR %		51.7 \pm 10.0		42.1 \pm 10.0		39.5 \pm 10.0
	P-LCC $\times 10^9/L$		28 \pm 8		86 \pm 24		154 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.39		0.09 \pm 0.75		0.27 \pm 2.08
	IMG%		1.3 \pm 10.0		1.2 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.303 \pm 0.303		0.353 \pm 0.353		0.548 \pm 0.548
	NRBC% /100WBC		8.41 \pm 8.41		4.70 \pm 4.70		2.66 \pm 2.66

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
BC-700[B]	WBC $\times 10^9/L$		3.70 \pm 0.50		7.80 \pm 1.00		21.12 \pm 2.50
BC-760[B]	Neu# $\times 10^9/L$		2.15 \pm 0.37		4.00 \pm 0.79		11.61 \pm 2.12
BC-700[B] CS	Lym# $\times 10^9/L$		0.93 \pm 0.30		2.82 \pm 0.63		7.10 \pm 1.69
BC-760[B] CS	Mon# $\times 10^9/L$		0.13 \pm 0.13		0.39 \pm 0.39		0.95 \pm 0.95
BC-700[R]	Eos# $\times 10^9/L$		0.44 \pm 0.34		0.48 \pm 0.48		1.16 \pm 1.16
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%		58.1 \pm 10.0		51.2 \pm 10.0		55.0 \pm 10.0
BC-780[R]	Lym%		25.1 \pm 8.0		36.2 \pm 8.0		33.6 \pm 8.0
BC-700[R] CS	Mon%		3.5 \pm 3.5		5.0 \pm 5.0		4.5 \pm 4.5
BC-760[R] CS	Eos%		11.9 \pm 9.0		6.2 \pm 6.2		5.5 \pm 5.5
BP 200n	Bas%		1.4 \pm 5.0		1.4 \pm 5.0		1.4 \pm 5.0
BP 260n	RBC $\times 10^{12}/L$		2.37 \pm 0.18		4.23 \pm 0.24		5.14 \pm 0.30
QC Mode	HGB g/dL		5.9 \pm 0.4		12.2 \pm 0.6		15.8 \pm 0.8
	HCT %		20.0 \pm 1.5		40.3 \pm 2.0		52.9 \pm 2.4
	MCV fL		84.2 \pm 5.0		95.2 \pm 5.0		102.9 \pm 5.0
	MCH pg		24.9 \pm 2.5		28.8 \pm 2.5		30.7 \pm 2.5
	MCHC g/dL		29.6 \pm 3.0		30.3 \pm 3.0		29.9 \pm 3.0
	RDW-CV %		18.5 \pm 3.0		15.3 \pm 3.0		14.2 \pm 3.0
	RDW-SD fL		54.1 \pm 6.0		50.8 \pm 6.0		50.7 \pm 8.0
	PLT $\times 10^9/L$		56 \pm 20		207 \pm 40		389 \pm 60
	PLT-H $\times 10^9/L$		57 \pm 20		205 \pm 40		386 \pm 60
	MPV fL		12.7 \pm 3.0		12.0 \pm 3.0		11.5 \pm 3.0
	PDW		15.9 \pm 3.0		16.7 \pm 3.0		17.2 \pm 3.0
	PCT %		0.071 \pm 0.050		0.248 \pm 0.100		0.447 \pm 0.200
	P-LCR %		50.6 \pm 10.0		41.2 \pm 10.0		38.1 \pm 10.0
	P-LCC $\times 10^9/L$		28 \pm 8		85 \pm 24		148 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.39		0.10 \pm 0.77		0.27 \pm 2.08
	IMG%		1.3 \pm 10.0		1.3 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.081 \pm 0.081		0.155 \pm 0.155		0.452 \pm 0.452
	NRBC% /100WBC		2.19 \pm 2.19		1.99 \pm 1.99		2.14 \pm 2.14
	IPF %		2.4 \pm 5.0		2.5 \pm 5.0		2.5 \pm 5.0
	ESR mm/h		37.02 \pm 10.00		15.46 \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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IVD

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