

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0125A



2025-03-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0125AL	LOT	MB0125AN	LOT	MB0125AH
BC-6800,BC-6600	WBC $\times 10^9/L$		3.76 \pm 0.50		7.39 \pm 1.00		20.05 \pm 2.50
QC Mode	Neu# $\times 10^9/L$		1.93 \pm 0.38		3.41 \pm 0.74		10.65 \pm 2.01
	Lym# $\times 10^9/L$		1.11 \pm 0.30		2.79 \pm 0.59		6.82 \pm 1.61
	Mon# $\times 10^9/L$		0.16 \pm 0.16		0.40 \pm 0.40		0.98 \pm 0.98
	Eos# $\times 10^9/L$		0.52 \pm 0.34		0.71 \pm 0.49		1.38 \pm 1.38
	Bas# $\times 10^9/L$		0.04 \pm 0.19		0.08 \pm 0.37		0.22 \pm 1.00
	Neu%		51.3 \pm 10.0		46.1 \pm 10.0		53.1 \pm 10.0
	Lym%		29.6 \pm 8.0		37.8 \pm 8.0		34.0 \pm 8.0
	Mon%		4.3 \pm 4.3		5.4 \pm 5.4		4.9 \pm 4.9
	Eos%		13.7 \pm 9.0		9.6 \pm 6.5		6.9 \pm 6.9
	Bas%		1.1 \pm 5.0		1.1 \pm 5.0		1.1 \pm 5.0
	RBC $\times 10^{12}/L$		2.35 \pm 0.18		4.20 \pm 0.24		5.07 \pm 0.30
	HGB g/dL		6.0 \pm 0.4		12.1 \pm 0.6		15.7 \pm 0.8
	HCT %		19.4 \pm 1.5		38.7 \pm 2.0		50.7 \pm 2.4
	MCV fL		82.7 \pm 5.0		92.2 \pm 5.0		100.0 \pm 5.0
	MCH pg		25.5 \pm 2.5		28.8 \pm 2.5		31.0 \pm 2.5
	MCHC g/dL		30.9 \pm 3.0		31.2 \pm 3.0		31.0 \pm 3.0
	RDW-CV %		17.4 \pm 3.0		15.4 \pm 3.0		13.8 \pm 3.0
	RDW-SD fL		50.4 \pm 6.0		49.9 \pm 6.0		49.7 \pm 8.0
	PLT $\times 10^9/L$		52 \pm 20		201 \pm 40		376 \pm 60
	MPV fL		10.1 \pm 3.0		10.4 \pm 3.0		10.3 \pm 3.0
	PDW		16.2 \pm 3.0		16.5 \pm 3.0		16.5 \pm 3.0
	PCT %		0.053 \pm 0.050		0.209 \pm 0.100		0.387 \pm 0.200
	P-LCR %		28.8 \pm 20.0		29.6 \pm 10.0		28.4 \pm 10.0
	P-LCC $\times 10^9/L$		15 \pm 12		59 \pm 24		107 \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# $\times 10^9/L$		0.356 \pm 0.356		0.339 \pm 0.339		0.573 \pm 0.573
	NRBC% /100WBC		9.48 \pm 9.48		4.59 \pm 4.59		2.86 \pm 2.86

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

*Research use only.

**Software version 1.09 or higher.

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2025-03-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0125AL	LOT	MB0125AN	LOT	MB0125AH
BC-6000	WBC $\times 10^9/L$		3.64 \pm 0.50		7.37 \pm 1.00		20.33 \pm 2.50
BC-6100	Neu# $\times 10^9/L$		1.89 \pm 0.37		3.34 \pm 0.74		10.66 \pm 2.04
BC-6200	Lym# $\times 10^9/L$		1.06 \pm 0.30		2.81 \pm 0.59		7.01 \pm 1.63
BC-6000Plus	Mon# $\times 10^9/L$		0.15 \pm 0.15		0.40 \pm 0.40		1.02 \pm 1.02
BC-6100Plus	Eos# $\times 10^9/L$		0.49 \pm 0.24		0.71 \pm 0.52		1.34 \pm 1.22
QC Mode	Bas# $\times 10^9/L$		0.05 \pm 0.05		0.11 \pm 0.11		0.30 \pm 0.30
	Neu%		51.8 \pm 10.0		45.3 \pm 10.0		52.4 \pm 10.0
	Lym%		29.1 \pm 8.0		38.1 \pm 8.0		34.5 \pm 8.0
	Mon%		4.1 \pm 4.1		5.4 \pm 5.4		5.0 \pm 5.0
	Eos%		13.5 \pm 6.5		9.7 \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 $\times 10^{12}/L$		2.34 \pm 0.18		4.20 \pm 0.24		5.09 \pm 0.30
	HGB g/dL		6.0 \pm 0.4		12.1 \pm 0.6		15.8 \pm 0.8
	HCT %		19.9 \pm 1.5		39.1 \pm 2.0		51.2 \pm 2.4
	MCV fL		85.2 \pm 5.0		93.0 \pm 5.0		100.6 \pm 5.0
	MCH pg		25.6 \pm 2.5		28.8 \pm 2.5		31.0 \pm 2.5
	MCHC g/dL		30.1 \pm 3.0		31.0 \pm 3.0		30.9 \pm 3.0
	RDW-CV %		17.9 \pm 3.0		15.2 \pm 3.0		13.8 \pm 3.0
	RDW-SD fL		54.1 \pm 6.0		52.1 \pm 6.0		51.3 \pm 8.0
	PLT $\times 10^9/L$		55 \pm 20		213 \pm 40		399 \pm 60
	MPV fL		11.5 \pm 3.0		11.3 \pm 3.0		10.6 \pm 3.0
	PDW		16.4 \pm 3.0		16.5 \pm 3.0		16.5 \pm 3.0
	PCT %		0.063 \pm 0.050		0.241 \pm 0.100		0.423 \pm 0.200
	P-LCR %		36.4 \pm 20.0		33.8 \pm 10.0		29.8 \pm 10.0
	P-LCC $\times 10^9/L$		20 \pm 12		72 \pm 24		119 \pm 50
	IMG# $\times 10^9/L$		0.04 \pm 0.34		0.10 \pm 0.77		0.26 \pm 2.00
	IMG%		1.2 \pm 10.0		1.3 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.269 \pm 0.269		0.276 \pm 0.276		0.419 \pm 0.419
	NRBC% /100WBC		7.39 \pm 7.39		3.75 \pm 3.75		2.06 \pm 2.06
	Micro%		3.5 \pm 15.0		2.7 \pm 4.0		2.0 \pm 2.5
	Macro%		4.4 \pm 3.0		5.3 \pm 5.0		6.6 \pm 10.0
	Neu-X		391.4 \pm 120.0		390.9 \pm 120.0		390.1 \pm 120.0
	Neu-Y		518.1 \pm 120.0		518.2 \pm 150.0		514.0 \pm 150.0
	Mon-X		216.8 \pm 120.0		216.0 \pm 120.0		214.3 \pm 120.0
	PLT-I $\times 10^9/L$		55 \pm 20		213 \pm 40		399 \pm 60

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BC-6D

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ASSAY VALUES AND EXPECTED RANGES

LOT MB0125A



2025-03-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0125AL	LOT	MB0125AN	LOT	MB0125AH
BC-6800Plus	WBC $\times 10^9/L$		3.90 \pm 0.50		7.58 \pm 1.00		20.92 \pm 2.50
BC-6700Plus	Neu# $\times 10^9/L$		2.03 \pm 0.39		3.51 \pm 0.76		11.18 \pm 2.10
BC-6600Plus	Lym# $\times 10^9/L$		1.13 \pm 0.32		2.83 \pm 0.61		7.13 \pm 1.68
QC Mode	Mon# $\times 10^9/L$		0.16 \pm 0.16		0.39 \pm 0.39		0.96 \pm 0.96
	Eos# $\times 10^9/L$		0.52 \pm 0.36		0.74 \pm 0.53		1.36 \pm 1.36
	Bas# $\times 10^9/L$		0.06 \pm 0.06		0.11 \pm 0.11		0.29 \pm 0.29
	Neu%		52.0 \pm 10.0		46.4 \pm 10.0		53.4 \pm 10.0
	Lym%		29.1 \pm 8.0		37.3 \pm 8.0		34.1 \pm 8.0
	Mon%		4.1 \pm 4.1		5.1 \pm 5.1		4.6 \pm 4.6
	Eos%		13.3 \pm 9.0		9.8 \pm 7.0		6.5 \pm 6.5
	Bas%		1.5 \pm 1.5		1.4 \pm 1.4		1.4 \pm 1.4
	RBC $\times 10^{12}/L$		2.35 \pm 0.18		4.25 \pm 0.24		5.10 \pm 0.30
	HGB g/dL		5.9 \pm 0.4		12.0 \pm 0.6		15.6 \pm 0.8
	HCT %		19.3 \pm 1.5		39.1 \pm 2.0		50.9 \pm 2.4
	MCV fL		82.2 \pm 5.0		91.9 \pm 5.0		99.9 \pm 5.0
	MCH pg		25.1 \pm 2.5		28.2 \pm 2.5		30.6 \pm 2.5
	MCHC g/dL		30.5 \pm 3.0		30.7 \pm 3.0		30.6 \pm 3.0
	RDW-CV %		17.2 \pm 3.0		15.2 \pm 3.0		14.5 \pm 3.0
	RDW-SD fL		50.2 \pm 6.0		49.6 \pm 6.0		51.3 \pm 8.0
	PLT $\times 10^9/L$		52 \pm 20		205 \pm 40		376 \pm 60
	PLT-H $\times 10^9/L$		51 \pm 20		204 \pm 40		374 \pm 60
	MPV fL		10.4 \pm 3.0		10.5 \pm 3.0		10.3 \pm 3.0
	PDW		16.1 \pm 3.0		16.4 \pm 3.0		16.6 \pm 3.0
	PCT %		0.054 \pm 0.050		0.215 \pm 0.100		0.387 \pm 0.200
	P-LCR %		31.1 \pm 20.0		29.8 \pm 10.0		29.3 \pm 10.0
	P-LCC $\times 10^9/L$		16 \pm 12		61 \pm 24		110 \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# $\times 10^9/L$		0.299 \pm 0.299		0.274 \pm 0.274		0.441 \pm 0.441
	NRBC% /100WBC		7.66 \pm 7.66		3.61 \pm 3.61		2.11 \pm 2.11
	Micro%		3.4 \pm 15.0		2.6 \pm 4.0		2.1 \pm 2.5
	Macro%		4.0 \pm 3.0		4.6 \pm 5.0		5.5 \pm 10.0
	Neu-X		378.5 \pm 120.0		379.3 \pm 120.0		385.2 \pm 120.0
	Neu-Y		511.6 \pm 120.0		514.0 \pm 150.0		515.6 \pm 150.0
	Mon-X		218.4 \pm 120.0		206.1 \pm 120.0		200.0 \pm 120.0
	PLT-I $\times 10^9/L$		52 \pm 20		205 \pm 40		376 \pm 60
	ESR* mm/h		36.75 \pm 10.00		17.14 \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 MB0125A



2025-03-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0125AL	LOT	MB0125AN	LOT	MB0125AH
BC-7500[B] CRP	WBC $\times 10^9/L$		3.66 \pm 0.50		7.44 \pm 1.00		20.47 \pm 2.50
BC-7500[N] CRP	Neu# $\times 10^9/L$		1.90 \pm 0.37		3.40 \pm 0.75		10.85 \pm 2.05
BC-7500[R] CRP	Lym# $\times 10^9/L$		1.07 \pm 0.30		2.84 \pm 0.60		7.02 \pm 1.64
BC-7500[NR] CRP	Mon# $\times 10^9/L$		0.15 \pm 0.15		0.39 \pm 0.39		0.96 \pm 0.96
BC-7300[B] CRP	Eos# $\times 10^9/L$		0.49 \pm 0.33		0.71 \pm 0.71		1.35 \pm 1.35
BC-7300[N] CRP	Bas# $\times 10^9/L$		0.05 \pm 0.05		0.10 \pm 0.10		0.29 \pm 0.29
BC-7300[R] CRP	Neu%		51.8 \pm 10.0		45.6 \pm 10.0		53.0 \pm 10.0
BC-7300[NR] CRP	Lym%		29.3 \pm 8.0		38.2 \pm 8.0		34.3 \pm 8.0
BC-7500[B] CS	Mon%		4.1 \pm 4.1		5.2 \pm 5.2		4.7 \pm 4.7
BC-7500[N] CS	Eos%		13.4 \pm 9.0		9.6 \pm 9.6		6.6 \pm 6.6
BC-7500[R] CS	Bas%		1.4 \pm 1.4		1.4 \pm 1.4		1.4 \pm 1.4
BC-7500[NR] CS	RBC $\times 10^{12}/L$		2.31 \pm 0.18		4.21 \pm 0.24		5.14 \pm 0.30
QC Mode	HGB g/dL		5.9 \pm 0.4		12.1 \pm 0.6		15.9 \pm 0.8
	HCT %		19.1 \pm 1.5		38.9 \pm 2.0		51.7 \pm 2.4
	MCV fL		82.6 \pm 5.0		92.5 \pm 5.0		100.5 \pm 5.0
	MCH pg		25.5 \pm 2.5		28.7 \pm 2.5		30.9 \pm 2.5
	MCHC g/dL		30.9 \pm 3.0		31.1 \pm 3.0		30.8 \pm 3.0
	RDW-CV %		18.3 \pm 3.0		15.3 \pm 3.0		14.3 \pm 3.0
	RDW-SD fL		55.1 \pm 6.0		51.8 \pm 6.0		52.2 \pm 8.0
	PLT $\times 10^9/L$		53 \pm 20		201 \pm 40		371 \pm 60
	MPV fL		10.6 \pm 3.0		10.8 \pm 3.0		10.5 \pm 3.0
	PDW		16.4 \pm 3.0		16.7 \pm 3.0		16.7 \pm 3.0
	PCT %		0.056 \pm 0.050		0.217 \pm 0.100		0.390 \pm 0.200
	P-LCR %		32.6 \pm 20.0		31.8 \pm 10.0		31.0 \pm 10.0
	P-LCC $\times 10^9/L$		17 \pm 12		64 \pm 24		115 \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# $\times 10^9/L$		0.270 \pm 0.270		0.277 \pm 0.277		0.397 \pm 0.397
	NRBC% /100WBC		7.39 \pm 7.39		3.72 \pm 3.72		1.94 \pm 1.94

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0125AL	LOT	MB0125AN	LOT	MB0125AH
BC-700[B]	WBC $\times 10^9/L$		3.79 \pm 0.50		7.69 \pm 1.00		21.23 \pm 2.50
BC-760[B]	Neu# $\times 10^9/L$		2.03 \pm 0.38		3.73 \pm 0.77		11.74 \pm 2.13
BC-700[B] CS	Lym# $\times 10^9/L$		1.10 \pm 0.31		2.83 \pm 0.62		7.13 \pm 1.70
BC-760[B] CS	Mon# $\times 10^9/L$		0.16 \pm 0.16		0.39 \pm 0.39		1.00 \pm 1.00
BC-700[R]	Eos# $\times 10^9/L$		0.45 \pm 0.45		0.63 \pm 0.63		1.06 \pm 1.06
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%		53.6 \pm 10.0		48.5 \pm 10.0		55.3 \pm 10.0
BC-780[R]	Lym%		28.9 \pm 8.0		36.8 \pm 8.0		33.6 \pm 8.0
BC-700[R] CS	Mon%		4.1 \pm 4.1		5.1 \pm 5.1		4.7 \pm 4.7
BC-760[R] CS	Eos%		12.0 \pm 12.0		8.2 \pm 8.2		5.0 \pm 5.0
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		4.21 \pm 0.24		5.13 \pm 0.30
QC Mode	HGB g/dL		5.8 \pm 0.4		12.0 \pm 0.6		15.7 \pm 0.8
	HCT %		19.4 \pm 1.5		39.4 \pm 2.0		52.1 \pm 2.4
	MCV fL		83.9 \pm 5.0		93.6 \pm 5.0		101.5 \pm 5.0
	MCH pg		25.1 \pm 2.5		28.5 \pm 2.5		30.6 \pm 2.5
	MCHC g/dL		29.9 \pm 3.0		30.5 \pm 3.0		30.2 \pm 3.0
	RDW-CV %		18.3 \pm 3.0		15.4 \pm 3.0		14.3 \pm 3.0
	RDW-SD fL		56.1 \pm 6.0		52.7 \pm 6.0		52.9 \pm 8.0
	PLT $\times 10^9/L$		53 \pm 20		205 \pm 40		374 \pm 60
	PLT-H $\times 10^9/L$		54 \pm 20		208 \pm 40		379 \pm 60
	MPV fL		10.8 \pm 3.0		10.7 \pm 3.0		10.4 \pm 3.0
	PDW		16.5 \pm 3.0		16.7 \pm 3.0		16.8 \pm 3.0
	PCT %		0.057 \pm 0.050		0.219 \pm 0.100		0.389 \pm 0.200
	P-LCR %		33.3 \pm 20.0		31.5 \pm 10.0		30.5 \pm 10.0
	P-LCC $\times 10^9/L$		18 \pm 12		65 \pm 24		114 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.39		0.09 \pm 0.75		0.28 \pm 2.16
	IMG%		1.3 \pm 10.0		1.2 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.078 \pm 0.078		0.142 \pm 0.142		0.450 \pm 0.450
	NRBC% /100WBC		2.05 \pm 2.05		1.85 \pm 1.85		2.12 \pm 2.12
	IPF %		2.5 \pm 5.0		2.5 \pm 5.0		2.4 \pm 5.0
	ESR mm/h		38.46 \pm 10.00		16.54 \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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