


BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0725A

 2025-09-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0725AL	LOT	MB0725AN	LOT	MB0725AH
BC-6800, BC-6600 QC Mode	WBC	x 10 ⁹ /L	3.70 ± 0.50		7.32 ± 1.00		19.99 ± 2.50
	Neu#	x 10 ⁹ /L	2.08 ± 0.37		3.44 ± 0.73		10.67 ± 2.00
	Lym#	x 10 ⁹ /L	0.89 ± 0.30		2.60 ± 0.59		6.62 ± 1.60
	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.37 ± 0.37		0.96 ± 0.96
	Eos#	x 10 ⁹ /L	0.55 ± 0.34		0.81 ± 0.48		1.48 ± 1.48
	Bas#	x 10 ⁹ /L	0.05 ± 0.20		0.10 ± 0.39		0.26 ± 1.00
	Neu%	%	56.2 ± 10.0		47.2 ± 10.0		53.4 ± 10.0
	Lym%	%	24.1 ± 8.0		35.5 ± 8.0		33.1 ± 8.0
	Mon%	%	3.5 ± 3.5		5.0 ± 5.0		4.8 ± 4.8
	Eos%	%	14.9 ± 9.0		11.0 ± 6.5		7.4 ± 7.4
	Bas%	%	1.3 ± 5.0		1.3 ± 5.0		1.3 ± 5.0
	RBC	x 10 ¹² /L	2.22 ± 0.18		4.26 ± 0.24		5.08 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.4 ± 0.6		15.7 ± 0.8
	HCT	%	19.3 ± 1.5		39.6 ± 2.0		50.7 ± 2.4
	MCV	fL	87.0 ± 5.0		92.9 ± 5.0		99.9 ± 5.0
	MCH	pg	26.6 ± 2.5		29.1 ± 2.5		30.9 ± 2.5
	MCHC	g/dL	30.5 ± 3.0		31.3 ± 3.0		30.9 ± 3.0
	RDW-CV	%	16.6 ± 3.0		15.1 ± 3.0		14.6 ± 3.0
	RDW-SD	fL	50.8 ± 6.0		50.2 ± 6.0		51.6 ± 8.0
	PLT	x 10 ⁹ /L	52 ± 20		199 ± 40		394 ± 60
	MPV	fL	11.8 ± 3.0		12.5 ± 3.0		12.4 ± 3.0
	PDW		16.0 ± 3.0		16.5 ± 3.0		16.5 ± 3.0
	PCT	%	0.061 ± 0.050		0.249 ± 0.100		0.489 ± 0.200
	P-LCR	%	39.1 ± 20.0		41.7 ± 10.0		41.4 ± 10.0
	P-LCC	x 10 ⁹ /L	20 ± 12		83 ± 24		163 ± 50
	IMG# *	x 10 ⁹ /L	0.05 ± 0.39		0.10 ± 0.77		0.26 ± 2.00
	IMG% *	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.369 ± 0.369		0.368 ± 0.368		0.556 ± 0.556
	NRBC%	/100 WBC	9.97 ± 9.97		5.03 ± 5.03		2.78 ± 2.78

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* Software version 1.09 or higher

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		LOT	MB0725AL	LOT	MB0725AN	LOT	MB0725AH
BC-6800Plus	WBC x 10 ⁹ /L		3.70 ± 0.50		7.39 ± 1.00		20.39 ± 2.50
BC-6700Plus	Neu# x 10 ⁹ /L		2.10 ± 0.37		3.50 ± 0.74		10.88 ± 2.04
BC-6600Plus	Lym# x 10 ⁹ /L		0.89 ± 0.30		2.62 ± 0.59		6.83 ± 1.64
QC Mode	Mon# x 10 ⁹ /L		0.13 ± 0.13		0.37 ± 0.37		0.94 ± 0.94
	Eos# x 10 ⁹ /L		0.52 ± 0.34		0.79 ± 0.52		1.43 ± 1.43
	Bas# x 10 ⁹ /L		0.06 ± 0.06		0.11 ± 0.11		0.31 ± 0.31
	Neu% %		56.8 ± 10.0		47.3 ± 10.0		53.4 ± 10.0
	Lym% %		24.1 ± 8.0		35.5 ± 8.0		33.5 ± 8.0
	Mon% %		3.5 ± 3.5		5.0 ± 5.0		4.6 ± 4.6
	Eos% %		14.1 ± 9.0		10.7 ± 7.0		7.0 ± 7.0
	Bas% %		1.5 ± 1.5		1.5 ± 1.5		1.5 ± 1.5
	RBC x 10 ¹² /L		2.24 ± 0.18		4.29 ± 0.24		5.10 ± 0.30
	HGB g/dL		6.0 ± 0.4		12.4 ± 0.6		15.7 ± 0.8
	HCT %		19.5 ± 1.5		40.0 ± 2.0		51.3 ± 2.4
	MCV fL		87.2 ± 5.0		93.3 ± 5.0		100.5 ± 5.0
	MCH pg		26.8 ± 2.5		28.9 ± 2.5		30.8 ± 2.5
	MCHC g/dL		30.7 ± 3.0		31.0 ± 3.0		30.6 ± 3.0
	RDW-CV %		16.9 ± 3.0		15.0 ± 3.0		14.5 ± 3.0
	RDW-SD fL		51.2 ± 6.0		49.9 ± 6.0		51.3 ± 8.0
	PLT x 10 ⁹ /L		52 ± 20		198 ± 40		394 ± 60
	MPV fL		12.1 ± 3.0		12.6 ± 3.0		12.4 ± 3.0
	PDW		16.0 ± 3.0		16.5 ± 3.0		16.5 ± 3.0
	PCT %		0.063 ± 0.050		0.249 ± 0.100		0.489 ± 0.200
	P-LCR %		40.9 ± 20.0		43.7 ± 10.0		42.6 ± 10.0
	P-LCC x 10 ⁹ /L		21 ± 12		87 ± 24		168 ± 50
	IMG# x 10 ⁹ /L		0.05 ± 0.39		0.10 ± 0.77		0.27 ± 2.08
	IMG% %		1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC# x 10 ⁹ /L		0.297 ± 0.297		0.322 ± 0.322		0.548 ± 0.548
	NRBC% /100 WBC		8.04 ± 8.04		4.36 ± 4.36		2.69 ± 2.69

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		LOT	MB0725AL	LOT	MB0725AN	LOT	MB0725AH
BC-6200	WBC	x 10 ⁹ /L	3.63 ± 0.50		7.47 ± 1.00		20.48 ± 2.50
BC-6100Plus, BC-6100	Neu#	x 10 ⁹ /L	2.04 ± 0.37		3.55 ± 0.75		11.08 ± 2.05
BC-6000Plus, BC-6000	Lym#	x 10 ⁹ /L	0.88 ± 0.29		2.65 ± 0.60		6.70 ± 1.64
QC Mode	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.37 ± 0.37		0.94 ± 0.94
	Eos#	x 10 ⁹ /L	0.53 ± 0.28		0.79 ± 0.49		1.45 ± 1.45
	Bas#	x 10 ⁹ /L	0.05 ± 0.05		0.11 ± 0.11		0.31 ± 0.31
	Neu%	%	56.2 ± 10.0		47.4 ± 10.0		54.1 ± 10.0
	Lym%	%	24.3 ± 8.0		35.5 ± 8.0		32.7 ± 8.0
	Mon%	%	3.5 ± 3.5		5.0 ± 5.0		4.6 ± 4.6
	Eos%	%	14.5 ± 7.5		10.6 ± 6.5		7.1 ± 7.1
	Bas%	%	1.5 ± 1.5		1.5 ± 1.5		1.5 ± 1.5
	RBC	x 10 ¹² /L	2.23 ± 0.18		4.30 ± 0.24		5.11 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.4 ± 0.6		15.8 ± 0.8
	HCT	%	19.8 ± 1.5		40.2 ± 2.0		51.0 ± 2.4
	MCV	fL	89.0 ± 5.0		93.5 ± 5.0		99.9 ± 5.0
	MCH	pg	26.9 ± 2.5		28.8 ± 2.5		30.9 ± 2.5
	MCHC	g/dL	30.2 ± 3.0		30.8 ± 3.0		31.0 ± 3.0
	RDW-CV	%	17.2 ± 3.0		15.2 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	55.3 ± 6.0		53.0 ± 6.0		52.5 ± 8.0
	PLT	x 10 ⁹ /L	52 ± 20		199 ± 40		397 ± 60
	MPV	fL	13.4 ± 3.0		13.4 ± 3.0		13.0 ± 3.0
	PDW		16.1 ± 3.0		16.2 ± 3.0		16.4 ± 3.0
	PCT	%	0.070 ± 0.050		0.267 ± 0.100		0.516 ± 0.200
	P-LCR	%	49.6 ± 20.0		48.6 ± 10.0		46.8 ± 10.0
	P-LCC	x 10 ⁹ /L	26 ± 12		97 ± 24		186 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.10 ± 0.77		0.27 ± 2.08
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.301 ± 0.301		0.334 ± 0.334		0.455 ± 0.455
	NRBC%	/100 WBC	8.28 ± 8.28		4.47 ± 4.47		2.22 ± 2.22

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		LOT	MB0725AL	LOT	MB0725AN	LOT	MB0725AH
BC-700[B], BC-700[R], BC-720[R], BC-760[B]	WBC	x 10 ⁹ /L	3.68 ± 0.50		7.86 ± 1.00		21.06 ± 2.50
	Neu#	x 10 ⁹ /L	2.16 ± 0.37		3.95 ± 0.79		11.63 ± 2.11
BC-760[R], BC-780[R], BC-700[B] CS, BC-760[B] CS,	Lym#	x 10 ⁹ /L	0.87 ± 0.30		2.74 ± 0.63		7.01 ± 1.69
	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.38 ± 0.38		0.97 ± 0.97
BC-700[R] CS, BC-760[R] CS	Eos#	x 10 ⁹ /L	0.47 ± 0.47		0.68 ± 0.68		1.16 ± 1.16
	Bas#	x 10 ⁹ /L	0.05 ± 0.18		0.11 ± 0.40		0.29 ± 1.04
BP 200n * BP 260n *	Neu%	%	58.8 ± 10.0		50.3 ± 10.0		55.2 ± 10.0
	Lym%	%	23.6 ± 8.0		34.9 ± 8.0		33.3 ± 8.0
QC Mode	Mon%	%	3.4 ± 3.4		4.8 ± 4.8		4.6 ± 4.6
	Eos%	%	12.8 ± 12.8		8.6 ± 8.6		5.5 ± 5.5
	Bas%	%	1.4 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 ¹² /L	2.22 ± 0.18		4.29 ± 0.24		5.14 ± 0.30
	HGB	g/dL	5.8 ± 0.4		12.3 ± 0.6		15.7 ± 0.8
	HCT	%	19.6 ± 1.5		40.8 ± 2.0		52.6 ± 2.4
	MCV	fL	88.5 ± 5.0		95.0 ± 5.0		102.3 ± 5.0
	MCH	pg	26.1 ± 2.5		28.7 ± 2.5		30.5 ± 2.5
	MCHC	g/dL	29.5 ± 3.0		30.2 ± 3.0		29.9 ± 3.0
	RDW-CV	%	17.9 ± 3.0		15.3 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	57.9 ± 6.0		53.1 ± 6.0		53.7 ± 8.0
	PLT	x 10 ⁹ /L	55 ± 20		200 ± 40		388 ± 60
	MPV	fL	12.2 ± 3.0		12.8 ± 3.0		12.6 ± 3.0
	PDW		16.3 ± 3.0		16.5 ± 3.0		16.5 ± 3.0
	PCT	%	0.067 ± 0.050		0.256 ± 0.100		0.489 ± 0.200
	P-LCR	%	44.3 ± 20.0		46.3 ± 10.0		45.2 ± 10.0
	P-LCC	x 10 ⁹ /L	24 ± 12		93 ± 24		175 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.10 ± 0.77		0.27 ± 2.08
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.084 ± 0.084		0.153 ± 0.153		0.451 ± 0.451
	NRBC%	/100 WBC	2.27 ± 2.27		1.95 ± 1.95		2.14 ± 2.14
	IPF **	%	2.5 ± 5.0		2.6 ± 5.0		2.5 ± 5.0
	PLT-H	x 10 ⁹ /L	56 ± 20		202 ± 40		393 ± 60
	ESR	mm/h	39.98 ± 10.00		15.08 ± 4.00		NA NA

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** IPF : Only applies to BC-700[B], BC-760[B], BC-700[B] CS, BC-760[B] CS

* Only ESR is involved in BP 200n and BP 260n


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		LOT	MB0725AL	LOT	MB0725AN	LOT	MB0725AH
BC-7500[B] CRP,	WBC	x 10 ⁹ /L	3.63 ± 0.50		7.49 ± 1.00		20.59 ± 2.50
BC-7500[R] CRP,	Neu#	x 10 ⁹ /L	2.05 ± 0.37		3.57 ± 0.75		11.12 ± 2.06
BC-7500[N] CRP,	Lym#	x 10 ⁹ /L	0.87 ± 0.29		2.64 ± 0.60		6.79 ± 1.65
BC-7500[NR] CRP	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.37 ± 0.37		0.93 ± 0.93
QC Mode	Eos#	x 10 ⁹ /L	0.53 ± 0.33		0.81 ± 0.81		1.46 ± 1.46
	Bas#	x 10 ⁹ /L	0.05 ± 0.17		0.10 ± 0.36		0.29 ± 1.04
	Neu%	%	56.5 ± 10.0		47.7 ± 10.0		54.0 ± 10.0
	Lym%	%	24.0 ± 8.0		35.2 ± 8.0		33.0 ± 8.0
	Mon%	%	3.5 ± 3.5		4.9 ± 4.9		4.5 ± 4.5
	Eos%	%	14.5 ± 9.0		10.8 ± 10.8		7.1 ± 7.1
	Bas%	%	1.5 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 ¹² /L	2.18 ± 0.18		4.27 ± 0.24		5.14 ± 0.30
	HGB	g/dL	5.8 ± 0.4		12.3 ± 0.6		15.8 ± 0.8
	HCT	%	19.0 ± 1.5		40.0 ± 2.0		52.0 ± 2.4
	MCV	fL	87.2 ± 5.0		93.7 ± 5.0		101.1 ± 5.0
	MCH	pg	26.6 ± 2.5		28.8 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	30.5 ± 3.0		30.7 ± 3.0		30.4 ± 3.0
	RDW-CV	%	18.0 ± 3.0		15.2 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	57.3 ± 6.0		52.1 ± 6.0		52.9 ± 8.0
	PLT	x 10 ⁹ /L	55 ± 20		196 ± 40		386 ± 60
	MPV	fL	12.2 ± 3.0		12.8 ± 3.0		12.7 ± 3.0
	PDW		16.5 ± 3.0		16.6 ± 3.0		16.5 ± 3.0
	PCT	%	0.067 ± 0.050		0.251 ± 0.100		0.490 ± 0.200
	P-LCR	%	44.1 ± 20.0		46.0 ± 10.0		45.6 ± 10.0
	P-LCC	x 10 ⁹ /L	24 ± 12		90 ± 24		176 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.10 ± 0.77		0.25 ± 2.09
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.2 ± 10.0
	NRBC#	x 10 ⁹ /L	0.305 ± 0.305		0.343 ± 0.343		0.502 ± 0.502
	NRBC%	/100 WBC	8.41 ± 8.41		4.58 ± 4.58		2.44 ± 2.44

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