


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

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* Software version 1.09 or higher

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		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-6800Plus	WBC x 10 ⁹ /L		4.02 ± 0.50		7.63 ± 1.00		20.38 ± 2.50
BC-6700Plus	Neu# x 10 ⁹ /L		2.49 ± 0.41		3.80 ± 0.77		11.12 ± 2.04
BC-6600Plus	Lym# x 10 ⁹ /L		0.92 ± 0.32		2.75 ± 0.62		6.48 ± 1.63
QC Mode	Mon# x 10 ⁹ /L		0.13 ± 0.13		0.37 ± 0.37		0.92 ± 0.92
	Eos# x 10 ⁹ /L		0.42 ± 0.36		0.60 ± 0.54		1.57 ± 1.57
	Bas# x 10 ⁹ /L		0.06 ± 0.06		0.11 ± 0.11		0.29 ± 0.29
	Neu% %		61.7 ± 10.0		49.9 ± 10.0		54.6 ± 10.0
	Lym% %		23.0 ± 8.0		36.0 ± 8.0		31.8 ± 8.0
	Mon% %		3.3 ± 3.3		4.9 ± 4.9		4.5 ± 4.5
	Eos% %		10.5 ± 9.0		7.8 ± 7.0		7.7 ± 7.7
	Bas% %		1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC x 10 ¹² /L		2.40 ± 0.18		4.29 ± 0.24		5.14 ± 0.30
	HGB g/dL		6.0 ± 0.4		12.1 ± 0.6		15.6 ± 0.8
	HCT %		19.7 ± 1.5		39.5 ± 2.0		50.8 ± 2.4
	MCV fL		81.9 ± 5.0		92.0 ± 5.0		98.8 ± 5.0
	MCH pg		25.0 ± 2.5		28.2 ± 2.5		30.4 ± 2.5
	MCHC g/dL		30.5 ± 3.0		30.7 ± 3.0		30.7 ± 3.0
	RDW-CV %		17.1 ± 3.0		15.5 ± 3.0		15.1 ± 3.0
	RDW-SD fL		49.3 ± 6.0		50.5 ± 6.0		52.4 ± 8.0
	PLT x 10 ⁹ /L		59 ± 20		208 ± 40		406 ± 60
	MPV fL		12.5 ± 3.0		12.2 ± 3.0		12.1 ± 3.0
	PDW		15.8 ± 3.0		16.5 ± 3.0		16.7 ± 3.0
	PCT %		0.074 ± 0.050		0.254 ± 0.100		0.491 ± 0.200
	P-LCR %		48.7 ± 20.0		42.1 ± 10.0		41.9 ± 10.0
	P-LCC x 10 ⁹ /L		29 ± 12		88 ± 24		170 ± 50
	IMG# x 10 ⁹ /L		0.05 ± 0.42		0.09 ± 0.75		0.24 ± 2.00
	IMG% %		1.2 ± 10.0		1.2 ± 10.0		1.2 ± 10.0
	NRBC# x 10 ⁹ /L		0.290 ± 0.290		0.314 ± 0.314		0.505 ± 0.505
	NRBC% /100 WBC		7.22 ± 7.22		4.11 ± 4.11		2.48 ± 2.48

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		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-6200	WBC	x 10 ⁹ /L	3.79 ± 0.50		7.56 ± 1.00		20.18 ± 2.50
BC-6100Plus, BC-6100	Neu#	x 10 ⁹ /L	2.31 ± 0.38		3.75 ± 0.76		10.94 ± 2.02
BC-6000Plus, BC-6000	Lym#	x 10 ⁹ /L	0.87 ± 0.31		2.73 ± 0.61		6.48 ± 1.62
QC Mode	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.37 ± 0.37		0.91 ± 0.91
	Eos#	x 10 ⁹ /L	0.42 ± 0.25		0.60 ± 0.53		1.57 ± 1.41
	Bas#	x 10 ⁹ /L	0.06 ± 0.06		0.11 ± 0.11		0.28 ± 0.28
	Neu%	%	61.1 ± 10.0		49.6 ± 10.0		54.2 ± 10.0
	Lym%	%	23.0 ± 8.0		36.1 ± 8.0		32.1 ± 8.0
	Mon%	%	3.3 ± 3.3		4.9 ± 4.9		4.5 ± 4.5
	Eos%	%	11.1 ± 6.5		8.0 ± 7.0		7.8 ± 7.0
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.40 ± 0.18		4.30 ± 0.24		5.21 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.1 ± 0.6		15.8 ± 0.8
	HCT	%	20.3 ± 1.5		40.0 ± 2.0		51.4 ± 2.4
	MCV	fL	84.7 ± 5.0		93.1 ± 5.0		98.7 ± 5.0
	MCH	pg	25.0 ± 2.5		28.1 ± 2.5		30.3 ± 2.5
	MCHC	g/dL	29.5 ± 3.0		30.2 ± 3.0		30.7 ± 3.0
	RDW-CV	%	17.7 ± 3.0		15.9 ± 3.0		15.3 ± 3.0
	RDW-SD	fL	52.2 ± 6.0		52.5 ± 6.0		53.7 ± 8.0
	PLT	x 10 ⁹ /L	61 ± 20		211 ± 40		424 ± 60
	MPV	fL	13.4 ± 3.0		12.7 ± 3.0		12.4 ± 3.0
	PDW		16.1 ± 3.0		16.5 ± 3.0		16.6 ± 3.0
	PCT	%	0.082 ± 0.050		0.268 ± 0.100		0.526 ± 0.200
	P-LCR	%	54.8 ± 20.0		44.6 ± 10.0		43.1 ± 10.0
	P-LCC	x 10 ⁹ /L	33 ± 12		94 ± 24		183 ± 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	0.286 ± 0.286		0.324 ± 0.324		0.515 ± 0.515
	NRBC%	/100 WBC	7.54 ± 7.54		4.28 ± 4.28		2.55 ± 2.55

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		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-700[B], BC-700[R],	WBC	x 10 ⁹ /L	3.86 ± 0.50		7.69 ± 1.00		20.40 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 ⁹ /L	2.47 ± 0.39		4.03 ± 0.77		11.58 ± 2.04
BC-760[R], BC-780[R],	Lym#	x 10 ⁹ /L	0.88 ± 0.31		2.71 ± 0.62		6.43 ± 1.64
BC-700[B] CS,	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.37 ± 0.37		0.88 ± 0.88
BC-760[B] CS,	Eos#	x 10 ⁹ /L	0.34 ± 0.34		0.48 ± 0.48		1.22 ± 1.22
BC-700[R] CS,	Bas#	x 10 ⁹ /L	0.05 ± 0.18		0.10 ± 0.39		0.29 ± 1.04
BC-760[R] CS	Neu%	%	63.8 ± 10.0		52.4 ± 10.0		56.8 ± 10.0
BP 200n *	Lym%	%	22.7 ± 8.0		35.2 ± 8.0		31.5 ± 8.0
BP 260n *	Mon%	%	3.2 ± 3.2		4.8 ± 4.8		4.3 ± 4.3
QC Mode	Eos%	%	8.9 ± 8.9		6.3 ± 6.3		6.0 ± 6.0
	Bas%	%	1.4 ± 5.0		1.3 ± 5.0		1.4 ± 5.0
	RBC	x 10 ¹² /L	2.36 ± 0.18		4.24 ± 0.24		5.20 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.1 ± 0.6		15.8 ± 0.8
	HCT	%	19.8 ± 1.5		39.9 ± 2.0		52.6 ± 2.4
	MCV	fL	83.9 ± 5.0		94.1 ± 5.0		101.1 ± 5.0
	MCH	pg	25.0 ± 2.5		28.5 ± 2.5		30.4 ± 2.5
	MCHC	g/dL	29.8 ± 3.0		30.3 ± 3.0		30.1 ± 3.0
	RDW-CV	%	18.2 ± 3.0		15.7 ± 3.0		14.9 ± 3.0
	RDW-SD	fL	55.6 ± 6.0		54.1 ± 6.0		54.5 ± 8.0
	PLT	x 10 ⁹ /L	62 ± 20		207 ± 40		406 ± 60
	MPV	fL	13.0 ± 3.0		12.5 ± 3.0		12.3 ± 3.0
	PDW		16.3 ± 3.0		16.7 ± 3.0		16.9 ± 3.0
	PCT	%	0.081 ± 0.050		0.259 ± 0.100		0.499 ± 0.200
	P-LCR	%	52.5 ± 20.0		44.0 ± 10.0		43.0 ± 10.0
	P-LCC	x 10 ⁹ /L	33 ± 12		91 ± 24		175 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.42		0.10 ± 0.77		0.24 ± 2.00
	IMG%	%	1.2 ± 10.0		1.3 ± 10.0		1.2 ± 10.0
	NRBC#	x 10 ⁹ /L	0.095 ± 0.095		0.156 ± 0.156		0.465 ± 0.465
	NRBC%	/100 WBC	2.47 ± 2.47		2.03 ± 2.03		2.28 ± 2.28
	IPF **	%	2.4 ± 5.0		2.5 ± 5.0		2.6 ± 5.0
	PLT-H	x 10 ⁹ /L	65 ± 20		209 ± 40		411 ± 60
	ESR	mm/h	38.70 ± 10.00		16.05 ± 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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Instrument	Parameter	Low		Normal		High	
		LOT	MB0924AL	LOT	MB0924AN	LOT	MB0924AH
BC-7500[B] CRP,	WBC	x 10 ⁹ /L	3.78 ± 0.50		7.45 ± 1.00		19.77 ± 2.50
BC-7500[R] CRP,	Neu#	x 10 ⁹ /L	2.31 ± 0.38		3.71 ± 0.75		10.75 ± 1.98
BC-7500[N] CRP,	Lym#	x 10 ⁹ /L	0.87 ± 0.31		2.67 ± 0.60		6.29 ± 1.59
BC-7500[NR] CRP	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.37 ± 0.37		0.89 ± 0.89
QC Mode	Eos#	x 10 ⁹ /L	0.42 ± 0.35		0.60 ± 0.60		1.56 ± 1.56
	Bas#	x 10 ⁹ /L	0.06 ± 0.06		0.10 ± 0.10		0.28 ± 0.28
	Neu%	%	61.1 ± 10.0		49.8 ± 10.0		54.4 ± 10.0
	Lym%	%	23.1 ± 8.0		35.9 ± 8.0		31.8 ± 8.0
	Mon%	%	3.3 ± 3.3		4.9 ± 4.9		4.5 ± 4.5
	Eos%	%	11.0 ± 9.0		8.0 ± 8.0		7.9 ± 7.9
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.34 ± 0.18		4.25 ± 0.24		5.21 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.2 ± 0.6		16.0 ± 0.8
	HCT	%	19.3 ± 1.5		39.4 ± 2.0		51.8 ± 2.4
	MCV	fL	82.5 ± 5.0		92.6 ± 5.0		99.4 ± 5.0
	MCH	pg	25.6 ± 2.5		28.7 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	31.1 ± 3.0		31.0 ± 3.0		30.9 ± 3.0
	RDW-CV	%	18.3 ± 3.0		15.7 ± 3.0		14.8 ± 3.0
	RDW-SD	fL	55.0 ± 6.0		53.1 ± 6.0		53.7 ± 8.0
	PLT	x 10 ⁹ /L	60 ± 20		205 ± 40		396 ± 60
	MPV	fL	13.1 ± 3.0		12.5 ± 3.0		12.3 ± 3.0
	PDW		16.3 ± 3.0		16.8 ± 3.0		16.8 ± 3.0
	PCT	%	0.079 ± 0.050		0.256 ± 0.100		0.487 ± 0.200
	P-LCR	%	53.1 ± 20.0		43.8 ± 10.0		43.4 ± 10.0
	P-LCC	x 10 ⁹ /L	32 ± 12		90 ± 24		172 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.42		0.09 ± 0.75		0.24 ± 2.00
	IMG%	%	1.2 ± 10.0		1.2 ± 10.0		1.2 ± 10.0
	NRBC#	x 10 ⁹ /L	0.277 ± 0.277		0.321 ± 0.321		0.498 ± 0.498
	NRBC%	/100 WBC	7.34 ± 7.34		4.31 ± 4.31		2.52 ± 2.52

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