


BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

MB0925A
 **2025-11-10**

Instrument	Parameter	Low		Normal		High	
		LOT	MB0925AL	LOT	MB0925AN	LOT	MB0925AH
BC-6800, BC-6600 QC Mode	WBC	x 10 ⁹ /L	3.72 ± 0.50		7.55 ± 1.00		19.91 ± 2.50
	Neu#	x 10 ⁹ /L	2.08 ± 0.37		3.65 ± 0.76		10.71 ± 2.00
	Lym#	x 10 ⁹ /L	0.84 ± 0.30		2.73 ± 0.61		6.09 ± 1.60
	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.38 ± 0.38		0.88 ± 0.88
	Eos#	x 10 ⁹ /L	0.63 ± 0.34		0.71 ± 0.50		2.01 ± 2.01
	Bas#	x 10 ⁹ /L	0.05 ± 0.20		0.08 ± 0.37		0.22 ± 1.00
	Neu%	%	56.2 ± 10.0		48.4 ± 10.0		53.8 ± 10.0
	Lym%	%	22.5 ± 8.0		36.1 ± 8.0		30.6 ± 8.0
	Mon%	%	3.1 ± 3.1		5.0 ± 5.0		4.4 ± 4.4
	Eos%	%	16.9 ± 9.0		9.4 ± 6.5		10.1 ± 10.1
	Bas%	%	1.3 ± 5.0		1.1 ± 5.0		1.1 ± 5.0
	RBC	x 10 ¹² /L	2.21 ± 0.18		4.23 ± 0.24		5.13 ± 0.30
	HGB	g/dL	5.8 ± 0.4		12.1 ± 0.6		15.7 ± 0.8
	HCT	%	18.9 ± 1.5		39.0 ± 2.0		51.2 ± 2.4
	MCV	fL	85.4 ± 5.0		92.1 ± 5.0		99.8 ± 5.0
	MCH	pg	26.2 ± 2.5		28.6 ± 2.5		30.6 ± 2.5
	MCHC	g/dL	30.7 ± 3.0		31.1 ± 3.0		30.7 ± 3.0
	RDW-CV	%	17.2 ± 3.0		15.3 ± 3.0		14.7 ± 3.0
	RDW-SD	fL	52.4 ± 6.0		50.5 ± 6.0		52.1 ± 8.0
	PLT	x 10 ⁹ /L	52 ± 20		207 ± 40		404 ± 60
	MPV	fL	10.2 ± 3.0		12.0 ± 3.0		11.1 ± 3.0
	PDW		16.5 ± 3.0		16.4 ± 3.0		16.5 ± 3.0
	PCT	%	0.053 ± 0.050		0.248 ± 0.100		0.448 ± 0.200
	P-LCR	%	28.9 ± 20.0		40.3 ± 10.0		34.4 ± 10.0
	P-LCC	x 10 ⁹ /L	15 ± 12		83 ± 24		139 ± 50
	IMG# *	x 10 ⁹ /L	0.05 ± 0.36		0.11 ± 0.79		0.28 ± 2.00
	IMG% *	%	1.4 ± 10.0		1.4 ± 10.0		1.4 ± 10.0
	NRBC#	x 10 ⁹ /L	0.358 ± 0.358		0.224 ± 0.224		0.492 ± 0.492
	NRBC%	/100 WBC	9.63 ± 9.63		2.97 ± 2.97		2.47 ± 2.47

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* Software version 1.09 or higher

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		LOT	MB0925AL	LOT	MB0925AN	LOT	MB0925AH
BC-6800Plus	WBC x 10 ⁹ /L		3.72 ± 0.50		7.56 ± 1.00		20.27 ± 2.50
BC-6700Plus	Neu# x 10 ⁹ /L		2.08 ± 0.37		3.65 ± 0.76		10.85 ± 2.03
BC-6600Plus	Lym# x 10 ⁹ /L		0.84 ± 0.30		2.74 ± 0.61		6.26 ± 1.63
QC Mode	Mon# x 10 ⁹ /L		0.13 ± 0.13		0.38 ± 0.38		0.89 ± 0.89
	Eos# x 10 ⁹ /L		0.61 ± 0.34		0.68 ± 0.53		1.97 ± 1.97
	Bas# x 10 ⁹ /L		0.06 ± 0.06		0.11 ± 0.11		0.30 ± 0.30
	Neu% %		56.3 ± 10.0		48.2 ± 10.0		53.5 ± 10.0
	Lym% %		22.5 ± 8.0		36.3 ± 8.0		30.9 ± 8.0
	Mon% %		3.4 ± 3.4		5.0 ± 5.0		4.4 ± 4.4
	Eos% %		16.3 ± 9.0		9.0 ± 7.0		9.7 ± 9.7
	Bas% %		1.5 ± 1.5		1.5 ± 1.5		1.5 ± 1.5
	RBC x 10 ¹² /L		2.23 ± 0.18		4.24 ± 0.24		5.13 ± 0.30
	HGB g/dL		5.8 ± 0.4		12.2 ± 0.6		15.8 ± 0.8
	HCT %		19.0 ± 1.5		39.3 ± 2.0		51.7 ± 2.4
	MCV fL		85.3 ± 5.0		92.6 ± 5.0		100.7 ± 5.0
	MCH pg		26.0 ± 2.5		28.8 ± 2.5		30.8 ± 2.5
	MCHC g/dL		30.5 ± 3.0		31.1 ± 3.0		30.6 ± 3.0
	RDW-CV %		17.2 ± 3.0		15.2 ± 3.0		14.3 ± 3.0
	RDW-SD fL		52.0 ± 6.0		50.3 ± 6.0		52.0 ± 8.0
	PLT x 10 ⁹ /L		52 ± 20		205 ± 40		403 ± 60
	MPV fL		10.3 ± 3.0		12.0 ± 3.0		11.2 ± 3.0
	PDW		16.5 ± 3.0		16.4 ± 3.0		16.5 ± 3.0
	PCT %		0.054 ± 0.050		0.246 ± 0.100		0.451 ± 0.200
	P-LCR %		29.8 ± 20.0		40.1 ± 10.0		34.2 ± 10.0
	P-LCC x 10 ⁹ /L		15 ± 12		82 ± 24		138 ± 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		0.236 ± 0.236		0.181 ± 0.181		0.401 ± 0.401
	NRBC% /100 WBC		6.34 ± 6.34		2.40 ± 2.40		1.98 ± 1.98

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		LOT	MB0925AL	LOT	MB0925AN	LOT	MB0925AH
BC-6200	WBC	x 10 ⁹ /L	3.63 ± 0.50		7.64 ± 1.00		20.48 ± 2.50
BC-6100Plus, BC-6100	Neu#	x 10 ⁹ /L	2.06 ± 0.37		3.71 ± 0.77		10.95 ± 2.05
BC-6000Plus, BC-6000	Lym#	x 10 ⁹ /L	0.81 ± 0.29		2.77 ± 0.61		6.35 ± 1.64
QC Mode	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.38 ± 0.38		0.90 ± 0.90
	Eos#	x 10 ⁹ /L	0.59 ± 0.29		0.67 ± 0.54		1.97 ± 1.97
	Bas#	x 10 ⁹ /L	0.05 ± 0.05		0.11 ± 0.11		0.31 ± 0.31
	Neu%	%	56.4 ± 10.0		48.4 ± 10.0		53.5 ± 10.0
	Lym%	%	22.4 ± 8.0		36.3 ± 8.0		31.0 ± 8.0
	Mon%	%	3.4 ± 3.4		5.0 ± 5.0		4.4 ± 4.4
	Eos%	%	16.3 ± 8.0		8.8 ± 7.0		9.6 ± 9.6
	Bas%	%	1.5 ± 1.5		1.5 ± 1.5		1.5 ± 1.5
	RBC	x 10 ¹² /L	2.21 ± 0.18		4.24 ± 0.24		5.16 ± 0.30
	HGB	g/dL	5.8 ± 0.4		12.2 ± 0.6		16.0 ± 0.8
	HCT	%	19.3 ± 1.5		39.5 ± 2.0		51.6 ± 2.4
	MCV	fL	87.2 ± 5.0		93.2 ± 5.0		100.0 ± 5.0
	MCH	pg	26.2 ± 2.5		28.8 ± 2.5		31.0 ± 2.5
	MCHC	g/dL	30.1 ± 3.0		30.9 ± 3.0		31.0 ± 3.0
	RDW-CV	%	17.4 ± 3.0		15.4 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	55.7 ± 6.0		52.6 ± 6.0		53.6 ± 8.0
	PLT	x 10 ⁹ /L	54 ± 20		205 ± 40		415 ± 60
	MPV	fL	11.4 ± 3.0		12.9 ± 3.0		11.6 ± 3.0
	PDW		16.3 ± 3.0		16.4 ± 3.0		16.5 ± 3.0
	PCT	%	0.062 ± 0.050		0.264 ± 0.100		0.481 ± 0.200
	P-LCR	%	34.4 ± 20.0		45.5 ± 10.0		36.8 ± 10.0
	P-LCC	x 10 ⁹ /L	19 ± 12		93 ± 24		153 ± 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	0.249 ± 0.249		0.179 ± 0.179		0.360 ± 0.360
	NRBC%	/100 WBC	6.87 ± 6.87		2.34 ± 2.34		1.76 ± 1.76

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		LOT	MB0925AL	LOT	MB0925AN	LOT	MB0925AH
BC-700[B], BC-700[R],	WBC	x 10 ⁹ /L	3.68 ± 0.50		7.84 ± 1.00		20.93 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 ⁹ /L	2.12 ± 0.37		3.94 ± 0.79		11.66 ± 2.10
BC-760[R], BC-780[R],	Lym#	x 10 ⁹ /L	0.82 ± 0.30		2.83 ± 0.63		6.38 ± 1.68
BC-700[B] CS,	Mon#	x 10 ⁹ /L	0.11 ± 0.11		0.39 ± 0.39		0.88 ± 0.88
BC-760[B] CS,	Eos#	x 10 ⁹ /L	0.58 ± 0.58		0.57 ± 0.57		1.72 ± 1.72
BC-700[R] CS,	Bas#	x 10 ⁹ /L	0.05 ± 0.18		0.11 ± 0.40		0.29 ± 1.04
BC-760[R] CS	Neu%	%	57.5 ± 10.0		50.2 ± 10.0		55.7 ± 10.0
BP 200n *	Lym%	%	22.3 ± 8.0		36.1 ± 8.0		30.5 ± 8.0
BP 260n *	Mon%	%	3.1 ± 3.1		5.0 ± 5.0		4.2 ± 4.2
QC Mode	Eos%	%	15.7 ± 15.7		7.3 ± 7.3		8.2 ± 8.2
	Bas%	%	1.4 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 ¹² /L	2.21 ± 0.18		4.26 ± 0.24		5.18 ± 0.30
	HGB	g/dL	5.7 ± 0.4		12.1 ± 0.6		15.8 ± 0.8
	HCT	%	19.2 ± 1.5		40.2 ± 2.0		53.1 ± 2.4
	MCV	fL	86.9 ± 5.0		94.4 ± 5.0		102.5 ± 5.0
	MCH	pg	25.8 ± 2.5		28.4 ± 2.5		30.5 ± 2.5
	MCHC	g/dL	29.7 ± 3.0		30.1 ± 3.0		29.8 ± 3.0
	RDW-CV	%	18.4 ± 3.0		15.6 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	58.4 ± 6.0		53.9 ± 6.0		53.9 ± 8.0
	PLT	x 10 ⁹ /L	53 ± 20		206 ± 40		403 ± 60
	MPV	fL	10.7 ± 3.0		12.4 ± 3.0		11.3 ± 3.0
	PDW		16.8 ± 3.0		16.4 ± 3.0		16.6 ± 3.0
	PCT	%	0.057 ± 0.050		0.255 ± 0.100		0.455 ± 0.200
	P-LCR	%	32.0 ± 20.0		43.6 ± 10.0		36.3 ± 10.0
	P-LCC	x 10 ⁹ /L	17 ± 12		90 ± 24		146 ± 50
	IMG#	x 10 ⁹ /L	0.04 ± 0.34		0.09 ± 0.75		0.27 ± 2.08
	IMG%	%	1.2 ± 10.0		1.2 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.079 ± 0.079		0.154 ± 0.154		0.460 ± 0.460
	NRBC%	/100 WBC	2.16 ± 2.16		1.96 ± 1.96		2.20 ± 2.20
	IPF **	%	2.4 ± 5.0		2.6 ± 5.0		2.6 ± 5.0
	PLT-H	x 10 ⁹ /L	54 ± 20		209 ± 40		408 ± 60
	ESR	mm/h	40.87 ± 10.00		15.97 ± 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	MB0925AL	LOT	MB0925AN	LOT	MB0925AH
BC-7500[B] CRP, BC-7500[R] CRP, BC-7500[N] CRP, BC-7500[NR] CRP QC Mode	WBC	x 10 ⁹ /L	3.63 ± 0.50		7.60 ± 1.00		20.32 ± 2.50
	Neu#	x 10 ⁹ /L	2.06 ± 0.37		3.67 ± 0.76		11.02 ± 2.04
	Lym#	x 10 ⁹ /L	0.80 ± 0.29		2.75 ± 0.61		6.20 ± 1.63
	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.39 ± 0.39		0.87 ± 0.87
	Eos#	x 10 ⁹ /L	0.60 ± 0.33		0.68 ± 0.68		1.95 ± 1.95
	Bas#	x 10 ⁹ /L	0.05 ± 0.17		0.11 ± 0.40		0.28 ± 1.00
	Neu%	%	56.8 ± 10.0		48.4 ± 10.0		54.2 ± 10.0
	Lym%	%	22.1 ± 8.0		36.2 ± 8.0		30.5 ± 8.0
	Mon%	%	3.2 ± 3.2		5.1 ± 5.1		4.3 ± 4.3
	Eos%	%	16.4 ± 9.0		8.9 ± 8.9		9.6 ± 9.6
	Bas%	%	1.5 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 ¹² /L	2.18 ± 0.18		4.25 ± 0.24		5.21 ± 0.30
	HGB	g/dL	5.7 ± 0.4		12.2 ± 0.6		16.0 ± 0.8
	HCT	%	18.6 ± 1.5		39.5 ± 2.0		52.7 ± 2.4
	MCV	fL	85.3 ± 5.0		92.9 ± 5.0		101.1 ± 5.0
	MCH	pg	26.1 ± 2.5		28.7 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	30.7 ± 3.0		30.9 ± 3.0		30.4 ± 3.0
	RDW-CV	%	18.5 ± 3.0		15.6 ± 3.0		14.5 ± 3.0
	RDW-SD	fL	57.7 ± 6.0		53.1 ± 6.0		53.4 ± 8.0
	PLT	x 10 ⁹ /L	53 ± 20		207 ± 40		406 ± 60
	MPV	fL	10.6 ± 3.0		12.4 ± 3.0		11.4 ± 3.0
	PDW		16.8 ± 3.0		16.5 ± 3.0		16.6 ± 3.0
	PCT	%	0.056 ± 0.050		0.257 ± 0.100		0.463 ± 0.200
	P-LCR	%	31.7 ± 20.0		43.7 ± 10.0		36.9 ± 10.0
	P-LCC	x 10 ⁹ /L	17 ± 12		90 ± 24		150 ± 50
	IMG#	x 10 ⁹ /L	0.04 ± 0.34		0.09 ± 0.75		0.26 ± 2.00
	IMG%	%	1.2 ± 10.0		1.2 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.253 ± 0.253		0.180 ± 0.180		0.327 ± 0.327
	NRBC%	/100 WBC	6.98 ± 6.98		2.37 ± 2.37		1.61 ± 1.61

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**Mindray**

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