


BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

MB0525A
 **2025-07-10**

Instrument	Parameter	Low		Normal		High	
		LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-6800, BC-6600 QC Mode	WBC	x 10 ⁹ /L	3.80 ± 0.50		7.29 ± 1.00		19.74 ± 2.50
	Neu#	x 10 ⁹ /L	2.25 ± 0.38		3.78 ± 0.73		11.27 ± 1.98
	Lym#	x 10 ⁹ /L	0.89 ± 0.31		2.47 ± 0.59		5.94 ± 1.58
	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.34 ± 0.34		0.83 ± 0.83
	Eos#	x 10 ⁹ /L	0.49 ± 0.35		0.62 ± 0.48		1.48 ± 1.48
	Bas#	x 10 ⁹ /L	0.04 ± 0.19		0.08 ± 0.37		0.22 ± 1.00
	Neu%	%	59.4 ± 10.0		51.9 ± 10.0		57.1 ± 10.0
	Lym%	%	23.3 ± 8.0		33.9 ± 8.0		30.1 ± 8.0
	Mon%	%	3.3 ± 3.3		4.6 ± 4.6		4.2 ± 4.2
	Eos%	%	12.9 ± 9.0		8.5 ± 6.5		7.5 ± 7.5
	Bas%	%	1.1 ± 5.0		1.1 ± 5.0		1.1 ± 5.0
	RBC	x 10 ¹² /L	2.28 ± 0.18		4.28 ± 0.24		5.12 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.2 ± 0.6		15.6 ± 0.8
	HCT	%	19.6 ± 1.5		39.8 ± 2.0		51.5 ± 2.4
	MCV	fL	86.1 ± 5.0		92.9 ± 5.0		100.5 ± 5.0
	MCH	pg	25.9 ± 2.5		28.5 ± 2.5		30.5 ± 2.5
	MCHC	g/dL	30.1 ± 3.0		30.7 ± 3.0		30.3 ± 3.0
	RDW-CV	%	17.0 ± 3.0		15.2 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	51.2 ± 6.0		49.8 ± 6.0		51.0 ± 8.0
	PLT	x 10 ⁹ /L	54 ± 20		218 ± 40		398 ± 60
	MPV	fL	12.2 ± 3.0		11.7 ± 3.0		13.1 ± 3.0
	PDW		16.1 ± 3.0		16.9 ± 3.0		16.6 ± 3.0
	PCT	%	0.066 ± 0.050		0.255 ± 0.100		0.521 ± 0.200
	P-LCR	%	44.9 ± 20.0		39.0 ± 10.0		48.2 ± 10.0
	P-LCC	x 10 ⁹ /L	24 ± 12		85 ± 24		192 ± 50
	IMG# *	x 10 ⁹ /L	0.05 ± 0.39		0.09 ± 0.75		0.26 ± 2.00
	IMG% *	%	1.3 ± 10.0		1.2 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.291 ± 0.291		0.292 ± 0.292		0.407 ± 0.407
	NRBC%	/100 WBC	7.67 ± 7.67		4.01 ± 4.01		2.06 ± 2.06

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* Software version 1.09 or higher

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		LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-6800Plus	WBC x 10 ⁹ /L		3.92 ± 0.50		7.43 ± 1.00		20.22 ± 2.50
BC-6700Plus	Neu# x 10 ⁹ /L		2.33 ± 0.40		3.91 ± 0.75		11.50 ± 2.03
BC-6600Plus	Lym# x 10 ⁹ /L		0.93 ± 0.32		2.51 ± 0.60		6.15 ± 1.62
QC Mode	Mon# x 10 ⁹ /L		0.13 ± 0.13		0.34 ± 0.34		0.85 ± 0.85
	Eos# x 10 ⁹ /L		0.47 ± 0.36		0.57 ± 0.52		1.44 ± 1.44
	Bas# x 10 ⁹ /L		0.06 ± 0.06		0.10 ± 0.10		0.28 ± 0.28
	Neu% %		59.3 ± 10.0		52.5 ± 10.0		56.9 ± 10.0
	Lym% %		23.8 ± 8.0		33.8 ± 8.0		30.4 ± 8.0
	Mon% %		3.4 ± 3.4		4.6 ± 4.6		4.2 ± 4.2
	Eos% %		12.0 ± 9.0		7.7 ± 7.0		7.1 ± 7.1
	Bas% %		1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC x 10 ¹² /L		2.28 ± 0.18		4.27 ± 0.24		5.12 ± 0.30
	HGB g/dL		5.9 ± 0.4		12.2 ± 0.6		15.7 ± 0.8
	HCT %		19.6 ± 1.5		39.8 ± 2.0		51.8 ± 2.4
	MCV fL		86.0 ± 5.0		93.2 ± 5.0		101.2 ± 5.0
	MCH pg		25.9 ± 2.5		28.6 ± 2.5		30.7 ± 2.5
	MCHC g/dL		30.1 ± 3.0		30.7 ± 3.0		30.3 ± 3.0
	RDW-CV %		16.8 ± 3.0		15.0 ± 3.0		14.2 ± 3.0
	RDW-SD fL		51.0 ± 6.0		49.4 ± 6.0		50.6 ± 8.0
	PLT x 10 ⁹ /L		52 ± 20		215 ± 40		397 ± 60
	MPV fL		12.4 ± 3.0		11.6 ± 3.0		13.1 ± 3.0
	PDW		16.3 ± 3.0		17.0 ± 3.0		16.6 ± 3.0
	PCT %		0.064 ± 0.050		0.249 ± 0.100		0.520 ± 0.200
	P-LCR %		46.6 ± 20.0		38.1 ± 10.0		48.7 ± 10.0
	P-LCC x 10 ⁹ /L		24 ± 12		82 ± 24		193 ± 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		0.270 ± 0.270		0.256 ± 0.256		0.384 ± 0.384
	NRBC% /100 WBC		6.88 ± 6.88		3.44 ± 3.44		1.90 ± 1.90

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		LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-6200	WBC x 10 ⁹ /L		3.73 ± 0.50		7.43 ± 1.00		20.34 ± 2.50
BC-6100Plus, BC-6100	Neu# x 10 ⁹ /L		2.20 ± 0.38		3.86 ± 0.75		11.58 ± 2.04
BC-6000Plus, BC-6000	Lym# x 10 ⁹ /L		0.87 ± 0.30		2.51 ± 0.60		6.18 ± 1.63
QC Mode	Mon# x 10 ⁹ /L		0.13 ± 0.13		0.34 ± 0.34		0.83 ± 0.83
	Eos# x 10 ⁹ /L		0.47 ± 0.25		0.61 ± 0.53		1.44 ± 1.22
	Bas# x 10 ⁹ /L		0.06 ± 0.06		0.11 ± 0.11		0.31 ± 0.31
	Neu% %		59.1 ± 10.0		51.9 ± 10.0		56.9 ± 10.0
	Lym% %		23.4 ± 8.0		33.8 ± 8.0		30.4 ± 8.0
	Mon% %		3.4 ± 3.4		4.6 ± 4.6		4.1 ± 4.1
	Eos% %		12.6 ± 6.5		8.2 ± 7.0		7.1 ± 6.0
	Bas% %		1.5 ± 1.5		1.5 ± 1.5		1.5 ± 1.5
	RBC x 10 ¹² /L		2.27 ± 0.18		4.28 ± 0.24		5.15 ± 0.30
	HGB g/dL		6.0 ± 0.4		12.3 ± 0.6		15.9 ± 0.8
	HCT %		19.9 ± 1.5		40.1 ± 2.0		52.0 ± 2.4
	MCV fL		87.8 ± 5.0		93.8 ± 5.0		100.9 ± 5.0
	MCH pg		26.4 ± 2.5		28.7 ± 2.5		30.9 ± 2.5
	MCHC g/dL		30.1 ± 3.0		30.6 ± 3.0		30.6 ± 3.0
	RDW-CV %		17.3 ± 3.0		15.0 ± 3.0		14.2 ± 3.0
	RDW-SD fL		55.6 ± 6.0		51.8 ± 6.0		51.1 ± 8.0
	PLT x 10 ⁹ /L		54 ± 20		222 ± 40		394 ± 60
	MPV fL		13.5 ± 3.0		12.2 ± 3.0		13.6 ± 3.0
	PDW		16.6 ± 3.0		17.0 ± 3.0		16.5 ± 3.0
	PCT %		0.073 ± 0.050		0.271 ± 0.100		0.536 ± 0.200
	P-LCR %		51.1 ± 20.0		41.8 ± 10.0		51.9 ± 10.0
	P-LCC x 10 ⁹ /L		28 ± 12		93 ± 24		204 ± 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		0.260 ± 0.260		0.266 ± 0.266		0.372 ± 0.372
	NRBC% /100 WBC		6.96 ± 6.96		3.58 ± 3.58		1.83 ± 1.83

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		LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-700[B], BC-700[R],	WBC	x 10 ⁹ /L	3.84 ± 0.50		7.59 ± 1.00		20.54 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 ⁹ /L	2.33 ± 0.39		4.11 ± 0.76		12.12 ± 2.06
BC-760[R], BC-780[R],	Lym#	x 10 ⁹ /L	0.93 ± 0.31		2.55 ± 0.61		6.16 ± 1.65
BC-700[B] CS,	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.36 ± 0.36		0.86 ± 0.86
BC-760[B] CS,	Eos#	x 10 ⁹ /L	0.40 ± 0.40		0.46 ± 0.46		1.11 ± 1.11
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%	%	60.6 ± 10.0		54.2 ± 10.0		59.0 ± 10.0
BP 200n *	Lym%	%	24.2 ± 8.0		33.6 ± 8.0		30.0 ± 8.0
BP 260n *	Mon%	%	3.5 ± 3.5		4.7 ± 4.7		4.2 ± 4.2
QC Mode	Eos%	%	10.3 ± 10.3		6.1 ± 6.1		5.4 ± 5.4
	Bas%	%	1.4 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 ¹² /L	2.26 ± 0.18		4.29 ± 0.24		5.13 ± 0.30
	HGB	g/dL	5.8 ± 0.4		12.1 ± 0.6		15.6 ± 0.8
	HCT	%	19.6 ± 1.5		40.5 ± 2.0		52.4 ± 2.4
	MCV	fL	86.9 ± 5.0		94.3 ± 5.0		102.2 ± 5.0
	MCH	pg	25.7 ± 2.5		28.2 ± 2.5		30.4 ± 2.5
	MCHC	g/dL	29.5 ± 3.0		29.9 ± 3.0		29.8 ± 3.0
	RDW-CV	%	18.2 ± 3.0		15.3 ± 3.0		14.1 ± 3.0
	RDW-SD	fL	57.6 ± 6.0		52.8 ± 6.0		52.6 ± 8.0
	PLT	x 10 ⁹ /L	55 ± 20		220 ± 40		382 ± 60
	MPV	fL	12.8 ± 3.0		11.8 ± 3.0		13.3 ± 3.0
	PDW		16.7 ± 3.0		17.3 ± 3.0		16.7 ± 3.0
	PCT	%	0.070 ± 0.050		0.260 ± 0.100		0.508 ± 0.200
	P-LCR	%	48.8 ± 20.0		39.8 ± 10.0		50.3 ± 10.0
	P-LCC	x 10 ⁹ /L	27 ± 12		88 ± 24		192 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.09 ± 0.75		0.27 ± 2.08
	IMG%	%	1.3 ± 10.0		1.2 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.090 ± 0.090		0.154 ± 0.154		0.477 ± 0.477
	NRBC%	/100 WBC	2.35 ± 2.35		2.03 ± 2.03		2.32 ± 2.32
	IPF **	%	2.5 ± 5.0		2.3 ± 5.0		2.5 ± 5.0
	PLT-H	x 10 ⁹ /L	56 ± 20		222 ± 40		387 ± 60
	ESR	mm/h	38.67 ± 10.00		14.92 ± 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	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-7500[B] CRP,	WBC	x 10 ⁹ /L	3.78 ± 0.50		7.56 ± 1.00		20.55 ± 2.50
BC-7500[R] CRP,	Neu#	x 10 ⁹ /L	2.24 ± 0.38		3.95 ± 0.76		11.73 ± 2.06
BC-7500[N] CRP,	Lym#	x 10 ⁹ /L	0.88 ± 0.31		2.53 ± 0.61		6.21 ± 1.65
BC-7500[NR] CRP	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.35 ± 0.35		0.86 ± 0.86
QC Mode	Eos#	x 10 ⁹ /L	0.48 ± 0.35		0.62 ± 0.62		1.46 ± 1.46
	Bas#	x 10 ⁹ /L	0.05 ± 0.05		0.11 ± 0.11		0.29 ± 0.29
	Neu%	%	59.3 ± 10.0		52.3 ± 10.0		57.1 ± 10.0
	Lym%	%	23.3 ± 8.0		33.5 ± 8.0		30.2 ± 8.0
	Mon%	%	3.4 ± 3.4		4.6 ± 4.6		4.2 ± 4.2
	Eos%	%	12.6 ± 9.0		8.2 ± 8.2		7.1 ± 7.1
	Bas%	%	1.4 ± 1.4		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.22 ± 0.18		4.25 ± 0.24		5.15 ± 0.30
	HGB	g/dL	5.8 ± 0.4		12.2 ± 0.6		15.8 ± 0.8
	HCT	%	19.0 ± 1.5		39.5 ± 2.0		52.0 ± 2.4
	MCV	fL	85.8 ± 5.0		92.9 ± 5.0		100.9 ± 5.0
	MCH	pg	26.1 ± 2.5		28.7 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	30.5 ± 3.0		30.9 ± 3.0		30.4 ± 3.0
	RDW-CV	%	18.0 ± 3.0		15.2 ± 3.0		14.1 ± 3.0
	RDW-SD	fL	56.5 ± 6.0		51.8 ± 6.0		51.8 ± 8.0
	PLT	x 10 ⁹ /L	55 ± 20		215 ± 40		382 ± 60
	MPV	fL	12.5 ± 3.0		11.9 ± 3.0		13.3 ± 3.0
	PDW		16.8 ± 3.0		17.3 ± 3.0		16.7 ± 3.0
	PCT	%	0.069 ± 0.050		0.256 ± 0.100		0.508 ± 0.200
	P-LCR	%	47.4 ± 20.0		40.2 ± 10.0		50.5 ± 10.0
	P-LCC	x 10 ⁹ /L	26 ± 12		86 ± 24		193 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.09 ± 0.75		0.25 ± 2.09
	IMG%	%	1.3 ± 10.0		1.2 ± 10.0		1.2 ± 10.0
	NRBC#	x 10 ⁹ /L	0.257 ± 0.257		0.278 ± 0.278		0.378 ± 0.378
	NRBC%	/100 WBC	6.80 ± 6.80		3.68 ± 3.68		1.84 ± 1.84

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**Mindray**

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