

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

 MB0524A


2024-07-10

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0524AL	LOT	MB0524AN	LOT	MB0524AH
BC-6800, BC-6600 QC Mode	WBC	x 10 ⁹ /L	3.64 ± 0.50		7.29 ± 1.00		19.88 ± 2.50
	Neu#	x 10 ⁹ /L	2.10 ± 0.37		3.55 ± 0.73		10.50 ± 1.99
	Lym#	x 10 ⁹ /L	0.89 ± 0.30		2.66 ± 0.59		6.40 ± 1.59
	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.39 ± 0.39		1.01 ± 1.01
	Eos#	x 10 ⁹ /L	0.48 ± 0.33		0.60 ± 0.48		1.71 ± 1.71
	Bas#	x 10 ⁹ /L	0.05 ± 0.20		0.09 ± 0.35		0.26 ± 1.00
	Neu%	%	57.8 ± 10.0		48.7 ± 10.0		52.8 ± 10.0
	Lym%	%	24.4 ± 8.0		36.5 ± 8.0		32.2 ± 8.0
	Mon%	%	3.2 ± 3.2		5.3 ± 5.3		5.1 ± 5.1
	Eos%	%	13.3 ± 9.0		8.2 ± 6.5		8.6 ± 8.6
	Bas%	%	1.3 ± 5.0		1.3 ± 5.0		1.3 ± 5.0
	RBC	x 10 ¹² /L	2.33 ± 0.18		4.37 ± 0.24		5.00 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.6 ± 0.6		15.5 ± 0.8
	HCT	%	19.5 ± 1.5		40.2 ± 2.0		49.9 ± 2.4
	MCV	fL	83.8 ± 5.0		91.9 ± 5.0		99.7 ± 5.0
	MCH	pg	25.8 ± 2.5		28.8 ± 2.5		31.0 ± 2.5
	MCHC	g/dL	30.7 ± 3.0		31.4 ± 3.0		31.1 ± 3.0
	RDW-CV	%	16.5 ± 3.0		15.2 ± 3.0		14.9 ± 3.0
	RDW-SD	fL	47.7 ± 6.0		49.8 ± 6.0		52.0 ± 8.0
	PLT	x 10 ⁹ /L	56 ± 20		196 ± 40		397 ± 60
	MPV	fL	11.0 ± 3.0		10.4 ± 3.0		10.9 ± 3.0
	PDW		16.2 ± 3.0		16.4 ± 3.0		16.6 ± 3.0
	PCT	%	0.062 ± 0.050		0.204 ± 0.100		0.433 ± 0.200
	P-LCR	%	35.3 ± 10.0		29.7 ± 10.0		32.7 ± 10.0
	P-LCC	x 10 ⁹ /L	20 ± 8		58 ± 24		130 ± 50
	IMG# *	x 10 ⁹ /L	0.06 ± 0.38		0.09 ± 0.75		0.38 ± 2.00
	IMG% *	%	1.6 ± 10.0		1.2 ± 10.0		1.9 ± 10.0
	NRBC#	x 10 ⁹ /L	0.390 ± 0.390		0.353 ± 0.353		0.531 ± 0.531
	NRBC%	/100 WBC	10.72 ± 10.72		4.84 ± 4.84		2.67 ± 2.67

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* Software version 1.09 or higher


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Instrument	Parameter	Low		Normal		High	
		LOT	MB0524AL	LOT	MB0524AN	LOT	MB0524AH
BC-6800Plus	WBC	x 10 ⁹ /L	3.82 ± 0.50		7.54 ± 1.00		20.99 ± 2.50
BC-6700Plus	Neu#	x 10 ⁹ /L	2.23 ± 0.39		3.71 ± 0.76		11.14 ± 2.11
BC-6600Plus	Lym#	x 10 ⁹ /L	0.91 ± 0.31		2.76 ± 0.61		6.88 ± 1.68
QC Mode	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.38 ± 0.38		0.94 ± 0.94
	Eos#	x 10 ⁹ /L	0.49 ± 0.35		0.58 ± 0.53		1.74 ± 1.74
	Bas#	x 10 ⁹ /L	0.06 ± 0.06		0.11 ± 0.11		0.29 ± 0.29
	Neu%	%	58.6 ± 10.0		49.2 ± 10.0		53.0 ± 10.0
	Lym%	%	23.8 ± 8.0		36.6 ± 8.0		32.8 ± 8.0
	Mon%	%	3.3 ± 3.3		5.1 ± 5.1		4.5 ± 4.5
	Eos%	%	12.8 ± 9.0		7.7 ± 7.0		8.3 ± 8.3
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.36 ± 0.18		4.43 ± 0.24		5.04 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.5 ± 0.6		15.4 ± 0.8
	HCT	%	19.5 ± 1.5		40.7 ± 2.0		50.4 ± 2.4
	MCV	fL	82.7 ± 5.0		91.9 ± 5.0		100.0 ± 5.0
	MCH	pg	25.4 ± 2.5		28.2 ± 2.5		30.6 ± 2.5
	MCHC	g/dL	30.7 ± 3.0		30.7 ± 3.0		30.6 ± 3.0
	RDW-CV	%	16.4 ± 3.0		15.3 ± 3.0		14.6 ± 3.0
	RDW-SD	fL	46.8 ± 6.0		48.9 ± 6.0		50.3 ± 8.0
	PLT	x 10 ⁹ /L	55 ± 20		203 ± 40		407 ± 60
	MPV	fL	10.9 ± 3.0		10.4 ± 3.0		11.0 ± 3.0
	PDW		15.8 ± 3.0		16.3 ± 3.0		16.6 ± 3.0
	PCT	%	0.060 ± 0.050		0.211 ± 0.100		0.448 ± 0.200
	P-LCR	%	35.6 ± 10.0		30.0 ± 10.0		33.3 ± 10.0
	P-LCC	x 10 ⁹ /L	20 ± 8		61 ± 24		136 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.42		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	0.310 ± 0.310		0.274 ± 0.274		0.443 ± 0.443
	NRBC%	/100 WBC	8.12 ± 8.12		3.63 ± 3.63		2.11 ± 2.11

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0524AL	LOT	MB0524AN	LOT	MB0524AH
BC-6200	WBC	x 10 ⁹ /L	3.57 ± 0.50		7.52 ± 1.00		20.60 ± 2.50
BC-6100Plus, BC-6100	Neu#	x 10 ⁹ /L	2.08 ± 0.36		3.65 ± 0.76		10.75 ± 2.06
BC-6000Plus, BC-6000	Lym#	x 10 ⁹ /L	0.84 ± 0.29		2.79 ± 0.61		6.90 ± 1.65
QC Mode	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.38 ± 0.38		0.95 ± 0.95
	Eos#	x 10 ⁹ /L	0.48 ± 0.24		0.59 ± 0.53		1.71 ± 1.71
	Bas#	x 10 ⁹ /L	0.05 ± 0.05		0.11 ± 0.11		0.29 ± 0.29
	Neu%	%	58.4 ± 10.0		48.6 ± 10.0		52.2 ± 10.0
	Lym%	%	23.4 ± 8.0		37.1 ± 8.0		33.5 ± 8.0
	Mon%	%	3.3 ± 3.3		5.1 ± 5.1		4.6 ± 4.6
	Eos%	%	13.4 ± 6.5		7.8 ± 7.0		8.3 ± 8.3
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.36 ± 0.18		4.43 ± 0.24		5.07 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.6 ± 0.6		15.7 ± 0.8
	HCT	%	20.2 ± 1.5		41.3 ± 2.0		50.6 ± 2.4
	MCV	fL	85.5 ± 5.0		93.2 ± 5.0		99.9 ± 5.0
	MCH	pg	25.4 ± 2.5		28.4 ± 2.5		31.0 ± 2.5
	MCHC	g/dL	29.7 ± 3.0		30.5 ± 3.0		31.0 ± 3.0
	RDW-CV	%	16.8 ± 3.0		15.5 ± 3.0		14.6 ± 3.0
	RDW-SD	fL	51.8 ± 6.0		52.7 ± 6.0		53.4 ± 8.0
	PLT	x 10 ⁹ /L	59 ± 20		212 ± 40		429 ± 60
	MPV	fL	12.6 ± 3.0		11.2 ± 3.0		11.4 ± 3.0
	PDW		16.2 ± 3.0		16.4 ± 3.0		16.6 ± 3.0
	PCT	%	0.074 ± 0.050		0.237 ± 0.100		0.489 ± 0.200
	P-LCR	%	45.8 ± 10.0		35.0 ± 10.0		36.7 ± 10.0
	P-LCC	x 10 ⁹ /L	27 ± 8		74 ± 24		157 ± 50
	IMG#	x 10 ⁹ /L	0.04 ± 0.34		0.10 ± 0.77		0.27 ± 2.08
	IMG%	%	1.2 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.322 ± 0.322		0.307 ± 0.307		0.428 ± 0.428
	NRBC%	/100 WBC	9.03 ± 9.03		4.08 ± 4.08		2.08 ± 2.08

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0524AL	LOT	MB0524AN	LOT	MB0524AH
BC-700[B], BC-700[R],	WBC	x 10 ⁹ /L	3.66 ± 0.50		7.67 ± 1.00		21.04 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 ⁹ /L	2.24 ± 0.37		3.90 ± 0.77		11.55 ± 2.11
BC-760[R], BC-780[R],	Lym#	x 10 ⁹ /L	0.84 ± 0.30		2.81 ± 0.62		6.82 ± 1.69
BC-700[B] CS,	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.39 ± 0.39		0.95 ± 0.95
BC-760[B] CS,	Eos#	x 10 ⁹ /L	0.41 ± 0.33		0.46 ± 0.46		1.43 ± 1.43
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%	%	61.0 ± 10.0		50.9 ± 10.0		54.9 ± 10.0
BP 200n *	Lym%	%	23.0 ± 8.0		36.6 ± 8.0		32.4 ± 8.0
BP 260n *	Mon%	%	3.3 ± 3.3		5.1 ± 5.1		4.5 ± 4.5
QC Mode	Eos%	%	11.3 ± 9.0		6.0 ± 6.0		6.8 ± 6.8
	Bas%	%	1.4 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 ¹² /L	2.33 ± 0.18		4.40 ± 0.24		5.06 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.5 ± 0.6		15.5 ± 0.8
	HCT	%	19.7 ± 1.5		41.1 ± 2.0		51.4 ± 2.4
	MCV	fL	84.4 ± 5.0		93.4 ± 5.0		101.6 ± 5.0
	MCH	pg	25.3 ± 2.5		28.4 ± 2.5		30.6 ± 2.5
	MCHC	g/dL	30.0 ± 3.0		30.4 ± 3.0		30.2 ± 3.0
	RDW-CV	%	17.4 ± 3.0		15.5 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	51.1 ± 6.0		50.4 ± 6.0		50.8 ± 8.0
	PLT	x 10 ⁹ /L	59 ± 20		206 ± 40		416 ± 60
	MPV	fL	11.1 ± 3.0		10.2 ± 3.0		10.8 ± 3.0
	PDW		16.2 ± 3.0		16.5 ± 3.0		16.9 ± 3.0
	PCT	%	0.065 ± 0.050		0.210 ± 0.100		0.449 ± 0.200
	P-LCR	%	36.6 ± 10.0		29.5 ± 10.0		32.7 ± 10.0
	P-LCC	x 10 ⁹ /L	22 ± 8		61 ± 24		136 ± 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	0.088 ± 0.088		0.144 ± 0.144		0.448 ± 0.448
	NRBC%	/100 WBC	2.41 ± 2.41		1.88 ± 1.88		2.13 ± 2.13
	IPF **	%	2.5 ± 5.0		2.3 ± 5.0		2.5 ± 5.0
	PLT-H	x 10 ⁹ /L	60 ± 20		208 ± 40		422 ± 60
	ESR	mm/h	38.12 ± 10.00		14.67 ± 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	MB0524AL	LOT	MB0524AN	LOT	MB0524AH
BC-7500[B] CRP,	WBC	x 10 ⁹ /L	3.61 ± 0.50		7.47 ± 1.00		20.41 ± 2.50
BC-7500[R] CRP,	Neu#	x 10 ⁹ /L	2.10 ± 0.37		3.65 ± 0.75		10.75 ± 2.04
BC-7500[N] CRP,	Lym#	x 10 ⁹ /L	0.86 ± 0.29		2.76 ± 0.60		6.78 ± 1.64
BC-7500[NR] CRP	Mon#	x 10 ⁹ /L	0.12 ± 0.12		0.38 ± 0.38		0.92 ± 0.92
QC Mode	Eos#	x 10 ⁹ /L	0.48 ± 0.33		0.58 ± 0.58		1.67 ± 1.67
	Bas#	x 10 ⁹ /L	0.05 ± 0.05		0.10 ± 0.10		0.29 ± 0.29
	Neu%	%	58.0 ± 10.0		48.9 ± 10.0		52.7 ± 10.0
	Lym%	%	23.8 ± 8.0		36.9 ± 8.0		33.2 ± 8.0
	Mon%	%	3.3 ± 3.3		5.1 ± 5.1		4.5 ± 4.5
	Eos%	%	13.4 ± 9.0		7.7 ± 7.7		8.2 ± 8.2
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.29 ± 0.18		4.38 ± 0.24		5.05 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.6 ± 0.6		15.7 ± 0.8
	HCT	%	19.0 ± 1.5		40.4 ± 2.0		50.7 ± 2.4
	MCV	fL	83.1 ± 5.0		92.3 ± 5.0		100.4 ± 5.0
	MCH	pg	25.8 ± 2.5		28.8 ± 2.5		31.1 ± 2.5
	MCHC	g/dL	31.0 ± 3.0		31.2 ± 3.0		31.0 ± 3.0
	RDW-CV	%	17.6 ± 3.0		15.4 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	51.7 ± 6.0		50.6 ± 6.0		51.1 ± 8.0
	PLT	x 10 ⁹ /L	57 ± 20		200 ± 40		404 ± 60
	MPV	fL	11.0 ± 3.0		10.5 ± 3.0		11.0 ± 3.0
	PDW		16.3 ± 3.0		16.5 ± 3.0		16.8 ± 3.0
	PCT	%	0.063 ± 0.050		0.210 ± 0.100		0.444 ± 0.200
	P-LCR	%	36.8 ± 10.0		30.9 ± 10.0		33.8 ± 10.0
	P-LCC	x 10 ⁹ /L	21 ± 8		62 ± 24		137 ± 50
	IMG#	x 10 ⁹ /L	0.04 ± 0.34		0.10 ± 0.77		0.27 ± 2.08
	IMG%	%	1.2 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.320 ± 0.320		0.311 ± 0.311		0.408 ± 0.408
	NRBC%	/100 WBC	8.87 ± 8.87		4.17 ± 4.17		2.00 ± 2.00

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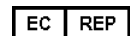
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