


BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0324A
 2024-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-6800, BC-6600 QC Mode	WBC	x 10 ⁹ /L	3.61 ± 0.50		7.34 ± 1.00		20.32 ± 2.50
	Neu#	x 10 ⁹ /L	2.02 ± 0.36		3.55 ± 0.74		11.31 ± 2.04
	Lym#	x 10 ⁹ /L	0.92 ± 0.29		2.67 ± 0.59		6.56 ± 1.63
	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.39 ± 0.39		0.91 ± 0.91
	Eos#	x 10 ⁹ /L	0.49 ± 0.33		0.63 ± 0.48		1.32 ± 1.32
	Bas#	x 10 ⁹ /L	0.05 ± 0.20		0.10 ± 0.39		0.22 ± 1.00
	Neu%	%	56.1 ± 10.0		48.4 ± 10.0		55.6 ± 10.0
	Lym%	%	25.5 ± 8.0		36.4 ± 8.0		32.3 ± 8.0
	Mon%	%	3.6 ± 3.6		5.3 ± 5.3		4.5 ± 4.5
	Eos%	%	13.5 ± 9.0		8.6 ± 6.5		6.5 ± 6.5
	Bas%	%	1.3 ± 5.0		1.3 ± 5.0		1.1 ± 5.0
	RBC	x 10 ¹² /L	2.36 ± 0.18		4.26 ± 0.24		5.20 ± 0.30
	HGB	g/dL	6.1 ± 0.4		12.4 ± 0.6		16.2 ± 0.8
	HCT	%	19.7 ± 1.5		39.7 ± 2.0		51.9 ± 2.4
	MCV	fL	83.6 ± 5.0		93.3 ± 5.0		99.8 ± 5.0
	MCH	pg	25.8 ± 2.5		29.1 ± 2.5		31.2 ± 2.5
	MCHC	g/dL	30.9 ± 3.0		31.2 ± 3.0		31.2 ± 3.0
	RDW-CV	%	16.5 ± 3.0		14.7 ± 3.0		14.3 ± 3.0
	RDW-SD	fL	49.3 ± 6.0		47.9 ± 6.0		50.8 ± 8.0
	PLT	x 10 ⁹ /L	53 ± 20		193 ± 40		387 ± 60
	MPV	fL	11.6 ± 3.0		10.9 ± 3.0		11.5 ± 3.0
	PDW		15.8 ± 3.0		16.8 ± 3.0		16.5 ± 3.0
	PCT	%	0.061 ± 0.050		0.210 ± 0.100		0.445 ± 0.200
	P-LCR	%	40.8 ± 10.0		32.3 ± 10.0		37.2 ± 10.0
	P-LCC	x 10 ⁹ /L	22 ± 8		62 ± 24		144 ± 50
	IMG# *	x 10 ⁹ /L	0.05 ± 0.36		0.10 ± 0.72		0.26 ± 2.00
	IMG% *	%	1.4 ± 10.0		1.4 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.329 ± 0.329		0.363 ± 0.363		0.608 ± 0.608
	NRBC%	/100 WBC	9.10 ± 9.10		4.95 ± 4.95		2.99 ± 2.99

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* Software version 1.09 or higher

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		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-6800Plus	WBC	x 10 ⁹ /L	3.77 ± 0.50		7.44 ± 1.00		21.19 ± 2.50
BC-6700Plus	Neu#	x 10 ⁹ /L	2.11 ± 0.38		3.64 ± 0.75		11.74 ± 2.12
BC-6600Plus	Lym#	x 10 ⁹ /L	0.97 ± 0.31		2.73 ± 0.60		6.89 ± 1.70
QC Mode	Mon#	x 10 ⁹ /L	0.14 ± 0.14		0.38 ± 0.38		0.95 ± 0.95
	Eos#	x 10 ⁹ /L	0.49 ± 0.34		0.59 ± 0.53		1.31 ± 1.31
	Bas#	x 10 ⁹ /L	0.06 ± 0.06		0.10 ± 0.10		0.30 ± 0.30
	Neu%	%	56.1 ± 10.0		48.9 ± 10.0		55.4 ± 10.0
	Lym%	%	25.7 ± 8.0		36.7 ± 8.0		32.5 ± 8.0
	Mon%	%	3.6 ± 3.6		5.1 ± 5.1		4.5 ± 4.5
	Eos%	%	13.1 ± 9.0		7.9 ± 7.0		6.2 ± 6.2
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.38 ± 0.18		4.30 ± 0.24		5.22 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.2 ± 0.6		16.0 ± 0.8
	HCT	%	19.8 ± 1.5		40.1 ± 2.0		52.4 ± 2.4
	MCV	fL	83.2 ± 5.0		93.2 ± 5.0		100.4 ± 5.0
	MCH	pg	25.2 ± 2.5		28.4 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	30.3 ± 3.0		30.4 ± 3.0		30.5 ± 3.0
	RDW-CV	%	16.8 ± 3.0		14.9 ± 3.0		14.6 ± 3.0
	RDW-SD	fL	48.5 ± 6.0		48.2 ± 6.0		50.6 ± 8.0
	PLT	x 10 ⁹ /L	50 ± 20		193 ± 40		380 ± 60
	MPV	fL	11.6 ± 3.0		10.9 ± 3.0		11.4 ± 3.0
	PDW		15.5 ± 3.0		16.5 ± 3.0		16.5 ± 3.0
	PCT	%	0.058 ± 0.050		0.210 ± 0.100		0.433 ± 0.200
	P-LCR	%	40.4 ± 10.0		32.4 ± 10.0		37.1 ± 10.0
	P-LCC	x 10 ⁹ /L	20 ± 8		63 ± 24		141 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.10 ± 0.77		0.28 ± 2.16
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.236 ± 0.236		0.289 ± 0.289		0.557 ± 0.557
	NRBC%	/100 WBC	6.27 ± 6.27		3.88 ± 3.88		2.63 ± 2.63

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Instrument	Parameter	Low		Normal		High	
		LOT	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-6200	WBC	x 10 ⁹ /L	3.51 ± 0.50		7.37 ± 1.00		21.17 ± 2.50
BC-6100Plus, BC-6100	Neu#	x 10 ⁹ /L	1.97 ± 0.36		3.58 ± 0.74		11.69 ± 2.12
BC-6000Plus, BC-6000	Lym#	x 10 ⁹ /L	0.92 ± 0.29		2.71 ± 0.59		6.90 ± 1.70
QC Mode	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.38 ± 0.38		0.95 ± 0.95
	Eos#	x 10 ⁹ /L	0.44 ± 0.23		0.60 ± 0.52		1.35 ± 1.35
	Bas#	x 10 ⁹ /L	0.05 ± 0.05		0.10 ± 0.08		0.28 ± 0.28
	Neu%	%	56.1 ± 10.0		48.5 ± 10.0		55.2 ± 10.0
	Lym%	%	26.1 ± 8.0		36.8 ± 8.0		32.6 ± 8.0
	Mon%	%	3.7 ± 3.7		5.1 ± 5.1		4.5 ± 4.5
	Eos%	%	12.6 ± 6.5		8.2 ± 7.0		6.4 ± 6.4
	Bas%	%	1.5 ± 1.5		1.4 ± 1.0		1.3 ± 1.3
	RBC	x 10 ¹² /L	2.38 ± 0.18		4.29 ± 0.24		5.31 ± 0.30
	HGB	g/dL	6.1 ± 0.4		12.4 ± 0.6		16.3 ± 0.8
	HCT	%	20.5 ± 1.5		40.5 ± 2.0		53.4 ± 2.4
	MCV	fL	86.0 ± 5.0		94.5 ± 5.0		100.5 ± 5.0
	MCH	pg	25.6 ± 2.5		28.9 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	29.8 ± 3.0		30.6 ± 3.0		30.5 ± 3.0
	RDW-CV	%	17.3 ± 3.0		15.1 ± 3.0		14.5 ± 3.0
	RDW-SD	fL	53.4 ± 6.0		52.2 ± 6.0		53.4 ± 8.0
	PLT	x 10 ⁹ /L	53 ± 20		202 ± 40		402 ± 60
	MPV	fL	13.1 ± 3.0		11.6 ± 3.0		11.9 ± 3.0
	PDW		16.0 ± 3.0		16.5 ± 3.0		16.5 ± 3.0
	PCT	%	0.069 ± 0.050		0.234 ± 0.100		0.478 ± 0.200
	P-LCR	%	50.0 ± 10.0		37.0 ± 10.0		40.6 ± 10.0
	P-LCC	x 10 ⁹ /L	27 ± 8		75 ± 24		163 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.10 ± 0.77		0.28 ± 2.16
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.241 ± 0.241		0.298 ± 0.298		0.576 ± 0.576
	NRBC%	/100 WBC	6.87 ± 6.87		4.05 ± 4.05		2.72 ± 2.72

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Instrument	Parameter		Low	Normal	High
			LOT MB0324AL	LOT MB0324AN	LOT MB0324AH
BC-700[B], BC-700[R],	WBC	x 10 ⁹ /L	3.65 ± 0.50	7.63 ± 1.00	21.11 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 ⁹ /L	2.13 ± 0.37	3.84 ± 0.77	12.20 ± 2.12
BC-760[R], BC-780[R],	Lym#	x 10 ⁹ /L	0.92 ± 0.30	2.80 ± 0.61	6.69 ± 1.69
BC-700[B] CS,	Mon#	x 10 ⁹ /L	0.13 ± 0.13	0.38 ± 0.38	0.93 ± 0.93
BC-760[B] CS,	Eos#	x 10 ⁹ /L	0.42 ± 0.33	0.50 ± 0.50	0.99 ± 0.99
BC-700[R] CS,	Bas#	x 10 ⁹ /L	0.05 ± 0.18	0.11 ± 0.40	0.30 ± 1.08
BC-760[R] CS	Neu%	%	58.3 ± 10.0	50.3 ± 10.0	57.8 ± 10.0
BP 200n *	Lym%	%	25.2 ± 8.0	36.7 ± 8.0	31.7 ± 8.0
BP 260n *	Mon%	%	3.6 ± 3.6	5.0 ± 5.0	4.4 ± 4.4
QC Mode	Eos%	%	11.5 ± 9.0	6.6 ± 6.6	4.7 ± 4.7
	Bas%	%	1.4 ± 5.0	1.4 ± 5.0	1.4 ± 5.0
	RBC	x 10 ¹² /L	2.31 ± 0.18	4.25 ± 0.24	5.24 ± 0.30
	HGB	g/dL	5.9 ± 0.4	12.3 ± 0.6	16.2 ± 0.8
	HCT	%	19.6 ± 1.5	40.4 ± 2.0	53.6 ± 2.4
	MCV	fL	85.0 ± 5.0	95.1 ± 5.0	102.3 ± 5.0
	MCH	pg	25.5 ± 2.5	28.9 ± 2.5	30.9 ± 2.5
	MCHC	g/dL	30.0 ± 3.0	30.4 ± 3.0	30.2 ± 3.0
	RDW-CV	%	17.9 ± 3.0	15.1 ± 3.0	14.4 ± 3.0
	RDW-SD	fL	52.9 ± 6.0	50.1 ± 6.0	51.2 ± 8.0
	PLT	x 10 ⁹ /L	54 ± 20	197 ± 40	387 ± 60
	MPV	fL	12.0 ± 3.0	10.8 ± 3.0	11.2 ± 3.0
	PDW		15.9 ± 3.0	16.8 ± 3.0	16.7 ± 3.0
	PCT	%	0.065 ± 0.050	0.213 ± 0.100	0.433 ± 0.200
	P-LCR	%	42.4 ± 10.0	32.4 ± 10.0	36.6 ± 10.0
	P-LCC	x 10 ⁹ /L	23 ± 8	64 ± 24	142 ± 50
	IMG#	x 10 ⁹ /L	0.04 ± 0.34	0.10 ± 0.39	0.25 ± 2.09
	IMG%	%	1.2 ± 10.0	1.3 ± 10.0	1.2 ± 10.0
	NRBC#	x 10 ⁹ /L	0.081 ± 0.081	0.150 ± 0.150	0.488 ± 0.488
	NRBC%	/100 WBC	2.22 ± 2.22	1.96 ± 1.96	2.31 ± 2.31
	IPF **	%	2.4 ± 5.0	2.5 ± 5.0	2.6 ± 5.0
	PLT-H	x 10 ⁹ /L	55 ± 20	199 ± 40	392 ± 60
	ESR	mm/h	38.03 ± 10.00	15.51 ± 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	MB0324AL	LOT	MB0324AN	LOT	MB0324AH
BC-7500[B] CRP, BC-7500[R] CRP, BC-7500[N] CRP, BC-7500[NR] CRP QC Mode	WBC	x 10 ⁹ /L	3.61 ± 0.50		7.32 ± 1.00		21.17 ± 2.50
	Neu#	x 10 ⁹ /L	2.03 ± 0.37		3.56 ± 0.74		11.69 ± 2.12
	Lym#	x 10 ⁹ /L	0.94 ± 0.29		2.69 ± 0.59		6.90 ± 1.70
	Mon#	x 10 ⁹ /L	0.13 ± 0.13		0.37 ± 0.37		0.95 ± 0.95
	Eos#	x 10 ⁹ /L	0.46 ± 0.33		0.60 ± 0.60		1.33 ± 1.33
	Bas#	x 10 ⁹ /L	0.05 ± 0.05		0.10 ± 0.10		0.30 ± 0.30
	Neu%	%	56.2 ± 10.0		48.5 ± 10.0		55.2 ± 10.0
	Lym%	%	26.0 ± 8.0		36.8 ± 8.0		32.6 ± 8.0
	Mon%	%	3.6 ± 3.6		5.1 ± 5.1		4.5 ± 4.5
	Eos%	%	12.7 ± 9.0		8.2 ± 8.2		6.3 ± 6.3
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 ¹² /L	2.31 ± 0.18		4.25 ± 0.24		5.29 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.3 ± 0.6		16.3 ± 0.8
	HCT	%	19.3 ± 1.5		39.9 ± 2.0		53.5 ± 2.4
	MCV	fL	83.7 ± 5.0		93.8 ± 5.0		101.1 ± 5.0
	MCH	pg	25.5 ± 2.5		28.9 ± 2.5		30.8 ± 2.5
	MCHC	g/dL	30.5 ± 3.0		30.9 ± 3.0		30.5 ± 3.0
	RDW-CV	%	17.9 ± 3.0		15.0 ± 3.0		14.3 ± 3.0
	RDW-SD	fL	53.0 ± 6.0		49.9 ± 6.0		50.9 ± 8.0
	PLT	x 10 ⁹ /L	53 ± 20		193 ± 40		380 ± 60
	MPV	fL	11.7 ± 3.0		10.9 ± 3.0		11.5 ± 3.0
	PDW		16.2 ± 3.0		16.8 ± 3.0		16.7 ± 3.0
	PCT	%	0.062 ± 0.050		0.210 ± 0.100		0.437 ± 0.200
	P-LCR	%	41.8 ± 10.0		33.3 ± 10.0		38.2 ± 10.0
	P-LCC	x 10 ⁹ /L	22 ± 8		64 ± 24		145 ± 50
	IMG#	x 10 ⁹ /L	0.05 ± 0.39		0.10 ± 0.77		0.28 ± 2.16
	IMG%	%	1.3 ± 10.0		1.3 ± 10.0		1.3 ± 10.0
	NRBC#	x 10 ⁹ /L	0.235 ± 0.235		0.300 ± 0.300		0.550 ± 0.550
	NRBC%	/100 WBC	6.51 ± 6.51		4.10 ± 4.10		2.60 ± 2.60

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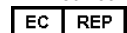
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