

# BC-6D

## HEMATOLOGY CONTROLS

CONTROL

## ASSAY VALUES AND EXPECTED RANGES

LOT

 MB0124A


2024-03-10

+

Instrument	Parameter	Low		Normal		High	
		LOT	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
BC-6800, BC-6600 QC Mode	WBC	x 10 <sup>9</sup> /L	3.66 ± 0.50		7.38 ± 1.00		19.97 ± 2.50
	Neu#	x 10 <sup>9</sup> /L	2.04 ± 0.37		3.63 ± 0.74		10.46 ± 2.00
	Lym#	x 10 <sup>9</sup> /L	0.96 ± 0.30		2.72 ± 0.59		6.83 ± 1.60
	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.35 ± 0.35		0.98 ± 0.98
	Eos#	x 10 <sup>9</sup> /L	0.49 ± 0.33		0.60 ± 0.49		1.44 ± 1.44
	Bas#	x 10 <sup>9</sup> /L	0.04 ± 0.19		0.08 ± 0.37		0.26 ± 1.00
	Neu%	%	55.7 ± 10.0		49.1 ± 10.0		52.4 ± 10.0
	Lym%	%	26.1 ± 8.0		36.9 ± 8.0		34.2 ± 8.0
	Mon%	%	3.6 ± 3.6		4.8 ± 4.8		4.9 ± 4.9
	Eos%	%	13.5 ± 9.0		8.1 ± 6.5		7.2 ± 7.2
	Bas%	%	1.1 ± 5.0		1.1 ± 5.0		1.3 ± 5.0
	RBC	x 10 <sup>12</sup> /L	2.37 ± 0.18		4.19 ± 0.24		5.08 ± 0.30
	HGB	g/dL	6.1 ± 0.4		12.2 ± 0.6		16.0 ± 0.8
	HCT	%	19.7 ± 1.5		38.8 ± 2.0		51.5 ± 2.4
	MCV	fL	83.0 ± 5.0		92.6 ± 5.0		101.3 ± 5.0
	MCH	pg	25.7 ± 2.5		29.1 ± 2.5		31.5 ± 2.5
	MCHC	g/dL	31.0 ± 3.0		31.4 ± 3.0		31.1 ± 3.0
	RDW-CV	%	17.5 ± 3.0		15.6 ± 3.0		14.2 ± 3.0
	RDW-SD	fL	50.8 ± 6.0		50.5 ± 6.0		51.5 ± 8.0
	PLT	x 10 <sup>9</sup> /L	55 ± 20		205 ± 40		392 ± 60
	MPV	fL	12.6 ± 3.0		12.1 ± 3.0		11.7 ± 3.0
	PDW		15.8 ± 3.0		16.5 ± 3.0		17.0 ± 3.0
	PCT	%	0.069 ± 0.050		0.248 ± 0.100		0.459 ± 0.200
	P-LCR	%	49.7 ± 10.0		41.3 ± 10.0		38.3 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	27 ± 8		85 ± 24		150 ± 50
	IMG# *	x 10 <sup>9</sup> /L	0.04 ± 0.37		0.08 ± 0.73		0.28 ± 2.00
	IMG% *	%	1.1 ± 10.0		1.1 ± 10.0		1.4 ± 10.0
	NRBC#	x 10 <sup>9</sup> /L	0.361 ± 0.361		0.368 ± 0.368		0.601 ± 0.601
	NRBC%	/100 WBC	9.87 ± 9.87		4.98 ± 4.98		3.01 ± 3.01

Before using, refer to the instruction sheet for mixing directions.

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\* Software version 1.09 or higher

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		<b>LOT</b>	MB0124AL	<b>LOT</b>	MB0124AN	<b>LOT</b>	MB0124AH
<b>BC-6800Plus</b>	WBC	x 10 <sup>9</sup> /L	3.78 ± 0.50		7.57 ± 1.00		20.90 ± 2.50
<b>BC-6700Plus</b>	Neu#	x 10 <sup>9</sup> /L	2.13 ± 0.38		3.71 ± 0.76		11.02 ± 2.10
<b>BC-6600Plus</b>	Lym#	x 10 <sup>9</sup> /L	0.96 ± 0.31		2.79 ± 0.61		7.13 ± 1.68
<b>QC Mode</b>	Mon#	x 10 <sup>9</sup> /L	0.14 ± 0.14		0.38 ± 0.38		1.00 ± 1.00
	Eos#	x 10 <sup>9</sup> /L	0.49 ± 0.35		0.58 ± 0.54		1.46 ± 1.46
	Bas#	x 10 <sup>9</sup> /L	0.06 ± 0.06		0.11 ± 0.11		0.29 ± 0.29
	Neu%	%	56.6 ± 10.0		49.2 ± 10.0		52.7 ± 10.0
	Lym%	%	25.4 ± 8.0		36.8 ± 8.0		34.1 ± 8.0
	Mon%	%	3.6 ± 3.6		5.0 ± 5.0		4.8 ± 4.8
	Eos%	%	12.9 ± 9.0		7.6 ± 7.0		7.0 ± 7.0
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 <sup>12</sup> /L	2.39 ± 0.18		4.24 ± 0.24		5.11 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.2 ± 0.6		15.8 ± 0.8
	HCT	%	19.7 ± 1.5		39.6 ± 2.0		51.5 ± 2.4
	MCV	fL	82.5 ± 5.0		93.3 ± 5.0		100.8 ± 5.0
	MCH	pg	25.1 ± 2.5		28.8 ± 2.5		30.9 ± 2.5
	MCHC	g/dL	30.4 ± 3.0		30.8 ± 3.0		30.7 ± 3.0
	RDW-CV	%	17.3 ± 3.0		15.1 ± 3.0		14.3 ± 3.0
	RDW-SD	fL	49.5 ± 6.0		48.9 ± 6.0		50.2 ± 8.0
	PLT	x 10 <sup>9</sup> /L	54 ± 20		204 ± 40		386 ± 60
	MPV	fL	12.6 ± 3.0		12.1 ± 3.0		11.8 ± 3.0
	PDW		15.5 ± 3.0		16.4 ± 3.0		16.9 ± 3.0
	PCT	%	0.068 ± 0.050		0.247 ± 0.100		0.455 ± 0.200
	P-LCR	%	49.7 ± 10.0		41.4 ± 10.0		39.2 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	27 ± 8		84 ± 24		151 ± 50
	IMG#	x 10 <sup>9</sup> /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 <sup>9</sup> /L	0.316 ± 0.316		0.330 ± 0.330		0.556 ± 0.556
	NRBC%	/100 WBC	8.35 ± 8.35		4.36 ± 4.36		2.66 ± 2.66

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		LOT	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
<b>BC-6200</b>	WBC	x 10 <sup>9</sup> /L	3.59 ± 0.50		7.46 ± 1.00		20.41 ± 2.50
<b>BC-6100Plus, BC-6100</b>	Neu#	x 10 <sup>9</sup> /L	2.05 ± 0.37		3.69 ± 0.75		10.73 ± 2.04
<b>BC-6000Plus, BC-6000</b>	Lym#	x 10 <sup>9</sup> /L	0.90 ± 0.29		2.71 ± 0.60		6.98 ± 1.64
<b>QC Mode</b>	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.37 ± 0.37		0.96 ± 0.96
	Eos#	x 10 <sup>9</sup> /L	0.46 ± 0.24		0.59 ± 0.53		1.47 ± 1.43
	Bas#	x 10 <sup>9</sup> /L	0.05 ± 0.05		0.10 ± 0.08		0.27 ± 0.21
	Neu%	%	56.8 ± 10.0		49.4 ± 10.0		52.6 ± 10.0
	Lym%	%	25.1 ± 8.0		36.3 ± 8.0		34.2 ± 8.0
	Mon%	%	3.7 ± 3.7		5.0 ± 5.0		4.7 ± 4.7
	Eos%	%	12.9 ± 6.5		7.9 ± 7.0		7.2 ± 7.0
	Bas%	%	1.5 ± 1.5		1.4 ± 1.0		1.3 ± 1.0
	RBC	x 10 <sup>12</sup> /L	2.38 ± 0.18		4.23 ± 0.24		5.15 ± 0.30
	HGB	g/dL	6.0 ± 0.4		12.2 ± 0.6		15.9 ± 0.8
	HCT	%	20.3 ± 1.5		39.9 ± 2.0		51.9 ± 2.4
	MCV	fL	85.4 ± 5.0		94.4 ± 5.0		100.8 ± 5.0
	MCH	pg	25.2 ± 2.5		28.8 ± 2.5		30.9 ± 2.5
	MCHC	g/dL	29.5 ± 3.0		30.6 ± 3.0		30.6 ± 3.0
	RDW-CV	%	17.8 ± 3.0		15.3 ± 3.0		14.4 ± 3.0
	RDW-SD	fL	54.7 ± 6.0		52.8 ± 6.0		53.3 ± 8.0
	PLT	x 10 <sup>9</sup> /L	55 ± 20		206 ± 40		403 ± 60
	MPV	fL	14.0 ± 3.0		12.9 ± 3.0		12.2 ± 3.0
	PDW		16.0 ± 3.0		16.3 ± 3.0		16.8 ± 3.0
	PCT	%	0.077 ± 0.050		0.266 ± 0.100		0.492 ± 0.200
	P-LCR	%	58.4 ± 10.0		46.9 ± 10.0		42.0 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	32 ± 8		97 ± 24		169 ± 50
	IMG#	x 10 <sup>9</sup> /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 <sup>9</sup> /L	0.305 ± 0.305		0.336 ± 0.336		0.539 ± 0.539
	NRBC%	/100 WBC	8.49 ± 8.49		4.51 ± 4.51		2.64 ± 2.64

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Instrument	Parameter	Low		Normal		High	
		<b>LOT</b>	MB0124AL	<b>LOT</b>	MB0124AN	<b>LOT</b>	MB0124AH
BC-700[B], BC-700[R],	WBC	x 10 <sup>9</sup> /L	3.70 ± 0.50		7.80 ± 1.00		21.12 ± 2.50
BC-720[R], BC-760[B]	Neu#	x 10 <sup>9</sup> /L	2.15 ± 0.37		4.00 ± 0.79		11.61 ± 2.12
BC-760[R], BC-780[R],	Lym#	x 10 <sup>9</sup> /L	0.93 ± 0.30		2.82 ± 0.63		7.10 ± 1.69
BC-700[B] CS,	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.39 ± 0.39		0.95 ± 0.95
BC-760[B] CS,	Eos#	x 10 <sup>9</sup> /L	0.44 ± 0.34		0.48 ± 0.48		1.16 ± 1.16
BC-700[R] CS,	Bas#	x 10 <sup>9</sup> /L	0.05 ± 0.18		0.11 ± 0.40		0.30 ± 1.08
BC-760[R] CS	Neu%	%	58.1 ± 10.0		51.2 ± 10.0		55.0 ± 10.0
BP 200n *	Lym%	%	25.1 ± 8.0		36.2 ± 8.0		33.6 ± 8.0
BP 260n *	Mon%	%	3.5 ± 3.5		5.0 ± 5.0		4.5 ± 4.5
QC Mode	Eos%	%	11.9 ± 9.0		6.2 ± 6.2		5.5 ± 5.5
	Bas%	%	1.4 ± 5.0		1.4 ± 5.0		1.4 ± 5.0
	RBC	x 10 <sup>12</sup> /L	2.37 ± 0.18		4.23 ± 0.24		5.14 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.2 ± 0.6		15.8 ± 0.8
	HCT	%	20.0 ± 1.5		40.3 ± 2.0		52.9 ± 2.4
	MCV	fL	84.2 ± 5.0		95.2 ± 5.0		102.9 ± 5.0
	MCH	pg	24.9 ± 2.5		28.8 ± 2.5		30.7 ± 2.5
	MCHC	g/dL	29.6 ± 3.0		30.3 ± 3.0		29.9 ± 3.0
	RDW-CV	%	18.5 ± 3.0		15.3 ± 3.0		14.2 ± 3.0
	RDW-SD	fL	54.1 ± 6.0		50.8 ± 6.0		50.7 ± 8.0
	PLT	x 10 <sup>9</sup> /L	56 ± 20		207 ± 40		389 ± 60
	MPV	fL	12.7 ± 3.0		12.0 ± 3.0		11.5 ± 3.0
	PDW		15.9 ± 3.0		16.7 ± 3.0		17.2 ± 3.0
	PCT	%	0.071 ± 0.050		0.248 ± 0.100		0.447 ± 0.200
	P-LCR	%	50.6 ± 10.0		41.2 ± 10.0		38.1 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	28 ± 8		85 ± 24		148 ± 50
	IMG#	x 10 <sup>9</sup> /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 <sup>9</sup> /L	0.081 ± 0.081		0.155 ± 0.155		0.452 ± 0.452
	NRBC%	/100 WBC	2.19 ± 2.19		1.99 ± 1.99		2.14 ± 2.14
	IPF **	%	2.4 ± 5.0		2.5 ± 5.0		2.5 ± 5.0
	PLT-H	x 10 <sup>9</sup> /L	57 ± 20		205 ± 40		386 ± 60
	ESR	mm/h	37.02 ± 10.00		15.46 ± 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	MB0124AL	LOT	MB0124AN	LOT	MB0124AH
BC-7500[B] CRP,	WBC	x 10 <sup>9</sup> /L	3.60 ± 0.50		7.52 ± 1.00		20.61 ± 2.50
BC-7500[R] CRP,	Neu#	x 10 <sup>9</sup> /L	2.02 ± 0.36		3.69 ± 0.75		10.88 ± 2.07
BC-7500[N] CRP,	Lym#	x 10 <sup>9</sup> /L	0.91 ± 0.29		2.73 ± 0.61		7.03 ± 1.65
BC-7500[NR] CRP	Mon#	x 10 <sup>9</sup> /L	0.13 ± 0.13		0.38 ± 0.38		0.97 ± 0.97
QC Mode	Eos#	x 10 <sup>9</sup> /L	0.49 ± 0.33		0.61 ± 0.61		1.44 ± 1.44
	Bas#	x 10 <sup>9</sup> /L	0.05 ± 0.05		0.11 ± 0.11		0.29 ± 0.29
	Neu%	%	56.2 ± 10.0		49.2 ± 10.0		52.8 ± 10.0
	Lym%	%	25.2 ± 8.0		36.3 ± 8.0		34.1 ± 8.0
	Mon%	%	3.6 ± 3.6		5.0 ± 5.0		4.7 ± 4.7
	Eos%	%	13.5 ± 9.0		8.1 ± 8.1		7.0 ± 7.0
	Bas%	%	1.5 ± 1.5		1.4 ± 1.4		1.4 ± 1.4
	RBC	x 10 <sup>12</sup> /L	2.34 ± 0.18		4.23 ± 0.24		5.18 ± 0.30
	HGB	g/dL	5.9 ± 0.4		12.2 ± 0.6		16.0 ± 0.8
	HCT	%	19.4 ± 1.5		39.7 ± 2.0		52.5 ± 2.4
	MCV	fL	83.1 ± 5.0		93.8 ± 5.0		101.4 ± 5.0
	MCH	pg	25.2 ± 2.5		28.8 ± 2.5		30.9 ± 2.5
	MCHC	g/dL	30.3 ± 3.0		30.7 ± 3.0		30.5 ± 3.0
	RDW-CV	%	18.5 ± 3.0		15.2 ± 3.0		14.2 ± 3.0
	RDW-SD	fL	54.3 ± 6.0		50.7 ± 6.0		50.9 ± 8.0
	PLT	x 10 <sup>9</sup> /L	55 ± 20		204 ± 40		389 ± 60
	MPV	fL	12.8 ± 3.0		12.2 ± 3.0		11.7 ± 3.0
	PDW		16.0 ± 3.0		16.7 ± 3.0		17.1 ± 3.0
	PCT	%	0.070 ± 0.050		0.249 ± 0.100		0.455 ± 0.200
	P-LCR	%	51.7 ± 10.0		42.1 ± 10.0		39.5 ± 10.0
	P-LCC	x 10 <sup>9</sup> /L	28 ± 8		86 ± 24		154 ± 50
	IMG#	x 10 <sup>9</sup> /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 <sup>9</sup> /L	0.303 ± 0.303		0.353 ± 0.353		0.548 ± 0.548
	NRBC%	/100 WBC	8.41 ± 8.41		4.70 ± 4.70		2.66 ± 2.66

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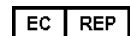
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