

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB1123A



2024-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-6800,BC-6600 QC Mode	WBC $\times 10^9/L$		3.79 \pm 0.50		7.40 \pm 1.00		20.40 \pm 2.50
	Neu# $\times 10^9/L$		2.16 \pm 0.38		3.54 \pm 0.74		10.89 \pm 2.04
	Lym# $\times 10^9/L$		0.95 \pm 0.31		2.77 \pm 0.60		6.53 \pm 1.64
	Mon# $\times 10^9/L$		0.11 \pm 0.11		0.38 \pm 0.38		1.12 \pm 1.12
	Eos# $\times 10^9/L$		0.53 \pm 0.35		0.64 \pm 0.49		1.57 \pm 1.57
	Bas# $\times 10^9/L$		0.04 \pm 0.20		0.07 \pm 0.35		0.29 \pm 1.04
	Neu%		57.1 \pm 10.0		47.9 \pm 10.0		53.4 \pm 10.0
	Lym%		25.0 \pm 8.0		37.4 \pm 8.0		32.0 \pm 8.0
	Mon%		2.9 \pm 2.9		5.1 \pm 5.1		5.5 \pm 5.5
	Eos%		14.0 \pm 9.0		8.6 \pm 6.5		7.7 \pm 7.7
	Bas%		1.0 \pm 5.0		1.0 \pm 5.0		1.4 \pm 5.0
	RBC $\times 10^{12}/L$		2.37 \pm 0.18		4.30 \pm 0.24		5.08 \pm 0.30
	HGB g/dL		6.1 \pm 0.4		12.5 \pm 0.6		15.9 \pm 0.8
	HCT %		19.9 \pm 1.5		40.1 \pm 2.0		51.3 \pm 2.4
	MCV fL		83.8 \pm 5.0		93.3 \pm 5.0		101.0 \pm 5.0
	MCH pg		25.7 \pm 2.5		29.1 \pm 2.5		31.3 \pm 2.5
	MCHC g/dL		30.7 \pm 3.0		31.2 \pm 3.0		31.0 \pm 3.0
	RDW-CV %		17.0 \pm 3.0		14.9 \pm 3.0		14.2 \pm 3.0
	RDW-SD fL		50.8 \pm 6.0		49.7 \pm 6.0		51.1 \pm 8.0
	PLT $\times 10^9/L$		50 \pm 20		193 \pm 40		395 \pm 60
	MPV fL		9.8 \pm 3.0		11.5 \pm 3.0		10.2 \pm 3.0
	PDW		16.1 \pm 3.0		16.9 \pm 3.0		16.5 \pm 3.0
	PCT %		0.049 \pm 0.049		0.222 \pm 0.100		0.403 \pm 0.200
	P-LCR %		27.1 \pm 10.0		35.5 \pm 10.0		27.9 \pm 10.0
	P-LCC $\times 10^9/L$		14 \pm 8		69 \pm 24		110 \pm 50
	IMG#** $\times 10^9/L$		0.04 \pm 0.40		0.07 \pm 0.70		0.27 \pm 2.08
	IMG%**		1.0 \pm 10.0		1.0 \pm 10.0		1.3 \pm 10.0
	NRBC# $\times 10^9/L$		0.372 \pm 0.372		0.356 \pm 0.356		0.549 \pm 0.549
	NRBC% /100WBC		9.82 \pm 9.82		4.81 \pm 4.81		2.69 \pm 2.69

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

*Research use only.

**Software version 1.09 or higher.

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BC-6000	WBC $\times 10^9/L$		3.67 \pm 0.50		7.49 \pm 1.00		20.75 \pm 2.50
BC-6100	Neu# $\times 10^9/L$		2.09 \pm 0.37		3.57 \pm 0.75		11.18 \pm 2.08
BC-6200	Lym# $\times 10^9/L$		0.92 \pm 0.30		2.82 \pm 0.60		6.66 \pm 1.66
BC-6000Plus	Mon# $\times 10^9/L$		0.11 \pm 0.11		0.37 \pm 0.37		1.12 \pm 1.12
BC-6100Plus	Eos# $\times 10^9/L$		0.51 \pm 0.24		0.66 \pm 0.53		1.58 \pm 1.46
QC Mode	Bas# $\times 10^9/L$		0.04 \pm 0.04		0.07 \pm 0.07		0.21 \pm 0.21
	Neu%		57.0 \pm 10.0		47.7 \pm 10.0		53.9 \pm 10.0
	Lym%		25.2 \pm 8.0		37.6 \pm 8.0		32.1 \pm 8.0
	Mon%		2.9 \pm 2.9		4.9 \pm 4.9		5.4 \pm 5.4
	Eos%		13.9 \pm 6.5		8.8 \pm 7.0		7.6 \pm 7.0
	Bas%		1.0 \pm 1.0		1.0 \pm 1.0		1.0 \pm 1.0
	RBC $\times 10^{12}/L$		2.40 \pm 0.18		4.34 \pm 0.24		5.14 \pm 0.30
	HGB g/dL		6.0 \pm 0.4		12.5 \pm 0.6		16.0 \pm 0.8
	HCT %		20.7 \pm 1.5		40.9 \pm 2.0		52.1 \pm 2.4
	MCV fL		86.1 \pm 5.0		94.3 \pm 5.0		101.4 \pm 5.0
	MCH pg		25.0 \pm 2.5		28.8 \pm 2.5		31.1 \pm 2.5
	MCHC g/dL		29.0 \pm 3.0		30.5 \pm 3.0		30.7 \pm 3.0
	RDW-CV %		17.7 \pm 3.0		15.4 \pm 3.0		14.3 \pm 3.0
	RDW-SD fL		55.0 \pm 6.0		53.0 \pm 6.0		53.0 \pm 8.0
	PLT $\times 10^9/L$		53 \pm 20		201 \pm 40		415 \pm 60
	MPV fL		10.9 \pm 3.0		12.1 \pm 3.0		10.5 \pm 3.0
	PDW		16.3 \pm 3.0		16.7 \pm 3.0		16.4 \pm 3.0
	PCT %		0.058 \pm 0.050		0.243 \pm 0.100		0.436 \pm 0.200
	P-LCR %		32.8 \pm 10.0		40.4 \pm 10.0		29.5 \pm 10.0
	P-LCC $\times 10^9/L$		17 \pm 8		81 \pm 24		122 \pm 50
	IMG# $\times 10^9/L$		0.04 \pm 0.40		0.07 \pm 0.70		0.21 \pm 2.10
	IMG%		1.0 \pm 10.0		1.0 \pm 10.0		1.0 \pm 10.0
	NRBC# $\times 10^9/L$		0.310 \pm 0.310		0.331 \pm 0.331		0.535 \pm 0.535
	NRBC% /100WBC		8.45 \pm 8.45		4.42 \pm 4.42		2.58 \pm 2.58
	Micro%		/ \pm /		/ \pm /		/ \pm /
	Macro%		/ \pm /		/ \pm /		/ \pm /
	Neu-X		/ \pm /		/ \pm /		/ \pm /
	Neu-Y		/ \pm /		/ \pm /		/ \pm /
	Mon-X		/ \pm /		/ \pm /		/ \pm /
	PLT-I $\times 10^9/L$		/ \pm /		/ \pm /		/ \pm /

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Instrument	Parameter	Low		Normal		High	
		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-6800Plus	WBC $\times 10^9/L$		3.78 \pm 0.50		7.40 \pm 1.00		20.71 \pm 2.50
BC-6700Plus	Neu# $\times 10^9/L$		2.18 \pm 0.38		3.54 \pm 0.75		11.07 \pm 2.08
BC-6600Plus	Lym# $\times 10^9/L$		0.94 \pm 0.31		2.82 \pm 0.60		6.81 \pm 1.66
QC Mode	Mon# $\times 10^9/L$		0.11 \pm 0.11		0.34 \pm 0.34		0.99 \pm 0.99
	Eos# $\times 10^9/L$		0.51 \pm 0.35		0.63 \pm 0.52		1.57 \pm 1.57
	Bas# $\times 10^9/L$		0.04 \pm 0.04		0.07 \pm 0.07		0.27 \pm 0.27
	Neu%		57.8 \pm 10.0		47.8 \pm 10.0		53.4 \pm 10.0
	Lym%		24.9 \pm 8.0		38.1 \pm 8.0		32.9 \pm 8.0
	Mon%		2.9 \pm 2.9		4.6 \pm 4.6		4.8 \pm 4.8
	Eos%		13.4 \pm 9.0		8.5 \pm 7.0		7.6 \pm 7.6
	Bas%		1.0 \pm 1.0		1.0 \pm 1.0		1.3 \pm 1.3
	RBC $\times 10^{12}/L$		2.37 \pm 0.18		4.29 \pm 0.24		5.06 \pm 0.30
	HGB g/dL		6.1 \pm 0.4		12.4 \pm 0.6		15.8 \pm 0.8
	HCT %		19.8 \pm 1.5		40.2 \pm 2.0		51.3 \pm 2.4
	MCV fL		83.6 \pm 5.0		93.8 \pm 5.0		101.4 \pm 5.0
	MCH pg		25.7 \pm 2.5		28.9 \pm 2.5		31.2 \pm 2.5
	MCHC g/dL		30.8 \pm 3.0		30.8 \pm 3.0		30.8 \pm 3.0
	RDW-CV %		17.2 \pm 3.0		15.1 \pm 3.0		14.2 \pm 3.0
	RDW-SD fL		50.1 \pm 6.0		49.4 \pm 6.0		50.4 \pm 8.0
	PLT $\times 10^9/L$		49 \pm 20		192 \pm 40		388 \pm 60
	MPV fL		9.9 \pm 3.0		11.5 \pm 3.0		10.2 \pm 3.0
	PDW		16.0 \pm 3.0		16.9 \pm 3.0		16.5 \pm 3.0
	PCT %		0.049 \pm 0.049		0.221 \pm 0.100		0.396 \pm 0.200
	P-LCR %		27.2 \pm 10.0		36.9 \pm 10.0		27.4 \pm 10.0
	P-LCC $\times 10^9/L$		13 \pm 8		71 \pm 24		106 \pm 50
	IMG# $\times 10^9/L$		0.05 \pm 0.42		0.09 \pm 0.75		0.25 \pm 2.09
	IMG%		1.2 \pm 10.0		1.2 \pm 10.0		1.2 \pm 10.0
	NRBC# $\times 10^9/L$		0.321 \pm 0.321		0.320 \pm 0.320		0.520 \pm 0.520
	NRBC% /100WBC		8.49 \pm 8.49		4.32 \pm 4.32		2.51 \pm 2.51
	Micro%		/ \pm /		/ \pm /		/ \pm /
	Macro%		/ \pm /		/ \pm /		/ \pm /
	Neu-X		/ \pm /		/ \pm /		/ \pm /
	Neu-Y		/ \pm /		/ \pm /		/ \pm /
	Mon-X		/ \pm /		/ \pm /		/ \pm /
	PLT-I $\times 10^9/L$		/ \pm /		/ \pm /		/ \pm /

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		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-7500[B] CRP	WBC $\times 10^9/L$	3.71	± 0.50	7.57	± 1.00	20.97	± 2.50
BC-7500[N] CRP	Neu# $\times 10^9/L$	2.16	± 0.38	3.64	± 0.76	11.29	± 2.10
BC-7500[R] CRP	Lym# $\times 10^9/L$	0.91	± 0.30	2.81	± 0.61	6.75	± 1.68
BC-7500[NR] CRP	Mon# $\times 10^9/L$	0.10	± 0.10	0.39	± 0.39	1.13	± 1.13
BC-7300[B] CRP	Eos# $\times 10^9/L$	0.50	± 0.34	0.65	± 0.65	1.59	± 1.59
BC-7300[N] CRP	Bas# $\times 10^9/L$	0.04	± 0.04	0.08	± 0.08	0.21	± 0.21
BC-7300[R] CRP	Neu%	58.2	± 10.0	48.1	± 10.0	53.8	± 10.0
BC-7300[NR] CRP	Lym%	24.5	± 8.0	37.1	± 8.0	32.2	± 8.0
BC-7500[B] CS	Mon%	2.7	± 2.7	5.2	± 5.2	5.4	± 5.4
BC-7500[N] CS	Eos%	13.6	± 9.0	8.6	± 8.6	7.6	± 7.6
BC-7500[R] CS	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
BC-7500[NR] CS	RBC $\times 10^{12}/L$	2.35	± 0.18	4.35	± 0.24	5.20	± 0.30
QC Mode	HGB g/dL	5.9	± 0.4	12.5	± 0.6	16.0	± 0.8
	HCT %	19.7	± 1.5	40.9	± 2.0	53.2	± 2.4
	MCV fL	84.0	± 5.0	94.1	± 5.0	102.4	± 5.0
	MCH pg	25.1	± 2.5	28.7	± 2.5	30.8	± 2.5
	MCHC g/dL	29.9	± 3.0	30.5	± 3.0	30.0	± 3.0
	RDW-CV %	18.5	± 3.0	15.4	± 3.0	14.1	± 3.0
	RDW-SD fL	55.0	± 6.0	51.1	± 6.0	50.8	± 8.0
	PLT $\times 10^9/L$	50	± 20	192	± 40	390	± 60
	MPV fL	9.8	± 3.0	11.5	± 3.0	10.2	± 3.0
	PDW	16.3	± 3.0	17.0	± 3.0	16.6	± 3.0
	PCT %	0.049	± 0.049	0.221	± 0.100	0.398	± 0.200
	P-LCR %	27.1	± 10.0	36.7	± 10.0	28.1	± 10.0
	P-LCC $\times 10^9/L$	14	± 8	70	± 24	110	± 50
	IMG# $\times 10^9/L$	0.04	± 0.40	0.08	± 0.80	0.21	± 2.10
	IMG%	1.0	± 10.0	1.0	± 10.0	1.0	± 10.0
	NRBC# $\times 10^9/L$	0.318	± 0.318	0.340	± 0.340	0.533	± 0.533
	NRBC% /100WBC	8.57	± 8.57	4.49	± 4.49	2.54	± 2.54

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		LOT	MB1123AL	LOT	MB1123AN	LOT	MB1123AH
BC-700[B]	WBC $\times 10^9/L$	3.75	± 0.50	7.67	± 1.00	21.21	± 2.50
BC-760[B]	Neu# $\times 10^9/L$	2.22	± 0.38	3.84	± 0.77	11.82	± 2.13
BC-700[B] CS	Lym# $\times 10^9/L$	0.89	± 0.30	2.92	± 0.62	6.81	± 1.70
BC-760[B] CS	Mon# $\times 10^9/L$	0.13	± 0.13	0.31	± 0.31	1.06	± 1.06
BC-700[R]	Eos# $\times 10^9/L$	0.45	± 0.34	0.52	± 0.52	1.29	± 1.27
BC-720[R]	Bas# $\times 10^9/L$	0.06	± 0.19	0.08	± 0.37	0.23	± 1.05
BC-760[R]	Neu%	59.3	± 10.0	49.9	± 10.0	55.7	± 10.0
BC-780[R]	Lym%	23.8	± 8.0	38.1	± 8.0	32.1	± 8.0
BC-700[R] CS	Mon%	3.4	± 3.4	4.1	± 4.1	5.0	± 5.0
BC-760[R] CS	Eos%	11.9	± 9.0	6.8	± 6.8	6.1	± 6.0
BP 200n	Bas%	1.6	± 5.0	1.1	± 5.0	1.1	± 5.0
BP 260n	RBC $\times 10^{12}/L$	2.38	± 0.18	4.32	± 0.24	5.13	± 0.30
QC Mode	HGB g/dL	6.0	± 0.4	12.4	± 0.6	15.9	± 0.8
	HCT %	20.1	± 1.5	40.8	± 2.0	52.7	± 2.4
	MCV fL	84.6	± 5.0	94.5	± 5.0	102.8	± 5.0
	MCH pg	25.2	± 2.5	28.7	± 2.5	31.0	± 2.5
	MCHC g/dL	29.8	± 3.0	30.4	± 3.0	30.1	± 3.0
	RDW-CV %	18.5	± 3.0	15.5	± 3.0	14.2	± 3.0
	RDW-SD fL	54.6	± 6.0	51.2	± 6.0	50.8	± 8.0
	PLT $\times 10^9/L$	51	± 20	193	± 40	388	± 60
	PLT-H $\times 10^9/L$	51	± 20	194	± 40	391	± 60
	MPV fL	9.8	± 3.0	11.3	± 3.0	9.9	± 3.0
	PDW	16.3	± 3.0	17.1	± 3.0	16.6	± 3.0
	PCT %	0.050	± 0.050	0.218	± 0.100	0.384	± 0.200
	P-LCR %	26.4	± 10.0	35.8	± 10.0	25.8	± 10.0
	P-LCC $\times 10^9/L$	13	± 8	69	± 24	100	± 50
	IMG# $\times 10^9/L$	0.04	± 0.37	0.08	± 0.80	0.28	± 2.16
	IMG%	1.1	± 10.0	1.0	± 10.0	1.3	± 10.0
	NRBC# $\times 10^9/L$	0.115	± 0.115	0.189	± 0.189	0.600	± 0.600
	NRBC% /100WBC	3.07	± 3.07	2.46	± 2.46	2.83	± 2.83
	IPF %	2.9	± 5.0	2.6	± 5.0	2.2	± 5.0
	ESR mm/h	37.83	± 10.00	14.70	± 4.00	/	\pm /

The ESR is not applicable for High level, and only ESR is involved in BP 200n and BP 260n.

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Shenzhen Mindray Bio-Medical Electronics Co., Ltd.
Mindray Building, Keji 12th Road South, Hi-tech Industrial Park, Nanshan, ShenZhen 518057, P.R.China
Tel: +86 755 26582479 26582888
Fax: +86 755 26582934 26582500

EC REP

Shanghai International Holding Corp. GmbH (Europe)
Eiffestraße 80 20537 Hamburg, Germany
Tel: 0049-40-2513175
Fax: 0049-40-255726



IVD

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