

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0526A



2026-07-10

Instrument	Parameter		Low		Normal		High	
			LOT	MB0526AL	LOT	MB0526AN	LOT	MB0526AH
BC-6800	WBC	$\times 10^9/L$	3.86	± 0.50	7.85	± 1.00	19.73	± 2.50
BC-6600	Neu#	$\times 10^9/L$	2.07	± 0.39	3.91	± 0.79	10.77	± 1.98
QC Mode	Lym#	$\times 10^9/L$	0.93	± 0.31	2.89	± 0.63	6.49	± 1.58
	Mon#	$\times 10^9/L$	0.14	± 0.14	0.39	± 0.39	0.89	± 0.89
	Eos#	$\times 10^9/L$	0.68	± 0.35	0.57	± 0.52	1.36	± 1.36
	Bas#	$\times 10^9/L$	0.04	± 0.19	0.09	± 0.41	0.22	± 1.00
	Neu%	%	53.8	± 10.0	49.9	± 10.0	54.6	± 10.0
	Lym%	%	24.0	± 8.0	36.8	± 8.0	32.9	± 8.0
	Mon%	%	3.5	± 3.5	5.0	± 5.0	4.5	± 4.5
	Eos%	%	17.6	± 9.0	7.2	± 6.5	6.9	± 6.9
	Bas%	%	1.1	± 5.0	1.1	± 5.0	1.1	± 5.0
	RBC	$\times 10^{12}/L$	2.25	± 0.18	4.21	± 0.24	5.13	± 0.30
	HGB	g/dL	5.9	± 0.4	12.2	± 0.6	15.6	± 0.8
	HCT	%	19.5	± 1.5	39.4	± 2.0	51.1	± 2.4
	MCV	fL	86.8	± 5.0	93.6	± 5.0	99.6	± 5.0
	MCH	pg	26.2	± 2.5	29.0	± 2.5	30.4	± 2.5
	MCHC	g/dL	30.2	± 3.0	31.0	± 3.0	30.5	± 3.0
	RDW-CV	%	16.7	± 3.0	15.2	± 3.0	14.3	± 3.0
	RDW-SD	fL	51.1	± 6.0	50.5	± 6.0	51.3	± 8.0
	PLT	$\times 10^9/L$	53	± 20	201	± 40	400	± 60
	MPV	fL	10.8	± 3.0	11.2	± 3.0	11.5	± 3.0
	PDW	/	15.9	± 3.0	16.8	± 3.0	16.5	± 3.0
	PCT	%	0.057	± 0.050	0.225	± 0.100	0.460	± 0.200
	P-LCR	%	33.2	± 20.0	34.1	± 10.0	35.2	± 10.0
	P-LCC	$\times 10^9/L$	18	± 12	69	± 24	141	± 50
	IMG#*	$\times 10^9/L$	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#	$\times 10^9/L$	0.433	± 0.433	0.273	± 0.273	0.440	± 0.440
	NRBC%	/100WBC	11.22	± 11.22	3.48	± 3.48	2.23	± 2.23

*Software version 1.09 or higher.

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2026-07-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0526AL	LOT	MB0526AN	LOT	MB0526AH
BC-6800Plus	WBC	$\times 10^9/L$	3.92 \pm 0.50		7.87 \pm 1.00		20.22 \pm 2.50
BC-6700Plus	Neu#	$\times 10^9/L$	2.10 \pm 0.40		3.93 \pm 0.79		11.07 \pm 2.03
BC-6600Plus	Lym#	$\times 10^9/L$	0.94 \pm 0.32		2.88 \pm 0.63		6.63 \pm 1.62
QC Mode	Mon#	$\times 10^9/L$	0.14 \pm 0.14		0.40 \pm 0.40		0.91 \pm 0.91
	Eos#	$\times 10^9/L$	0.68 \pm 0.36		0.54 \pm 0.54		1.31 \pm 1.31
	Bas#	$\times 10^9/L$	0.06 \pm 0.06		0.12 \pm 0.12		0.30 \pm 0.30
	Neu%	%	53.7 \pm 10.0		50.0 \pm 10.0		54.7 \pm 10.0
	Lym%	%	23.9 \pm 8.0		36.6 \pm 8.0		32.8 \pm 8.0
	Mon%	%	3.5 \pm 3.5		5.1 \pm 5.1		4.5 \pm 4.5
	Eos%	%	17.4 \pm 9.0		6.8 \pm 6.8		6.5 \pm 6.5
	Bas%	%	1.5 \pm 1.5		1.5 \pm 1.5		1.5 \pm 1.5
	RBC	$\times 10^{12}/L$	2.27 \pm 0.18		4.23 \pm 0.24		5.12 \pm 0.30
	HGB	g/dL	6.0 \pm 0.4		12.2 \pm 0.6		15.7 \pm 0.8
	HCT	%	19.7 \pm 1.5		39.8 \pm 2.0		51.4 \pm 2.4
	MCV	fL	86.8 \pm 5.0		94.0 \pm 5.0		100.4 \pm 5.0
	MCH	pg	26.4 \pm 2.5		28.8 \pm 2.5		30.7 \pm 2.5
	MCHC	g/dL	30.5 \pm 3.0		30.7 \pm 3.0		30.5 \pm 3.0
	RDW-CV	%	16.6 \pm 3.0		15.1 \pm 3.0		14.5 \pm 3.0
	RDW-SD	fL	51.3 \pm 6.0		50.1 \pm 6.0		51.3 \pm 8.0
	PLT	$\times 10^9/L$	54 \pm 20		197 \pm 40		394 \pm 60
	PLT-H	$\times 10^9/L$	56 \pm 20		204 \pm 40		408 \pm 60
	MPV	fL	10.8 \pm 3.0		11.3 \pm 3.0		11.5 \pm 3.0
	PDW	/	16.0 \pm 3.0		16.6 \pm 3.0		16.5 \pm 3.0
	PCT	%	0.058 \pm 0.050		0.223 \pm 0.100		0.453 \pm 0.200
	P-LCR	%	33.5 \pm 20.0		35.3 \pm 10.0		36.4 \pm 10.0
	P-LCC	$\times 10^9/L$	18 \pm 12		70 \pm 24		143 \pm 50
	IMG#	$\times 10^9/L$	0.05 \pm 0.39		0.10 \pm 0.77		0.26 \pm 2.00
	IMG%	%	1.3 \pm 10.0		1.3 \pm 10.0		1.3 \pm 10.0
	NRBC#	$\times 10^9/L$	0.379 \pm 0.379		0.239 \pm 0.239		0.404 \pm 0.404
	NRBC%	/100WBC	9.68 \pm 9.68		3.04 \pm 3.04		2.00 \pm 2.00
	Micro%	%	3.1 \pm 15.0		2.7 \pm 4.0		2.1 \pm 2.5
	Macro%	%	4.4 \pm 3.0		4.6 \pm 5.0		5.4 \pm 10.0
	Neu-X	/	373.5 \pm 120.0		376.3 \pm 120.0		373.3 \pm 120.0
	Neu-Y	/	508.3 \pm 120.0		506.5 \pm 150.0		507.4 \pm 150.0
	Mon-X	/	215.8 \pm 120.0		200.7 \pm 120.0		199.7 \pm 120.0
	PLT-I	$\times 10^9/L$	54 \pm 20		197 \pm 40		394 \pm 60
	ESR*	mm/h	37.81 \pm 10.00		16.53 \pm 4.00		/ \pm /

*The ESR is applicable to software version 1.25 or higher, but not applicable for High level.

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LOT MB0526A



2026-07-10

Instrument	Parameter		Low		Normal		High	
			LOT	MB0526AL	LOT	MB0526AN	LOT	MB0526AH
BC-6000	WBC	$\times 10^9/L$	3.84	\pm 0.50	7.98	\pm 1.00	20.52	\pm 2.50
BC-6100	Neu#	$\times 10^9/L$	2.06	\pm 0.39	3.99	\pm 0.80	11.21	\pm 2.06
BC-6200	Lym#	$\times 10^9/L$	0.91	\pm 0.31	2.93	\pm 0.64	6.75	\pm 1.65
Counter 60 AL	Mon#	$\times 10^9/L$	0.13	\pm 0.13	0.40	\pm 0.40	0.94	\pm 0.94
BC-6000Plus	Eos#	$\times 10^9/L$	0.68	\pm 0.31	0.54	\pm 0.54	1.31	\pm 1.23
BC-6100Plus	Bas#	$\times 10^9/L$	0.06	\pm 0.06	0.12	\pm 0.12	0.31	\pm 0.31
QC Mode	Neu%	%	53.7	\pm 10.0	50.0	\pm 10.0	54.6	\pm 10.0
	Lym%	%	23.7	\pm 8.0	36.7	\pm 8.0	32.9	\pm 8.0
	Mon%	%	3.5	\pm 3.5	5.0	\pm 5.0	4.6	\pm 4.6
	Eos%	%	17.6	\pm 8.0	6.8	\pm 6.8	6.4	\pm 6.0
	Bas%	%	1.5	\pm 1.5	1.5	\pm 1.5	1.5	\pm 1.5
	RBC	$\times 10^{12}/L$	2.26	\pm 0.18	4.23	\pm 0.24	5.17	\pm 0.30
	HGB	g/dL	6.0	\pm 0.4	12.2	\pm 0.6	15.8	\pm 0.8
	HCT	%	19.9	\pm 1.5	39.6	\pm 2.0	51.2	\pm 2.4
	MCV	fL	88.2	\pm 5.0	93.5	\pm 5.0	99.0	\pm 5.0
	MCH	pg	26.5	\pm 2.5	28.8	\pm 2.5	30.6	\pm 2.5
	MCHC	g/dL	30.1	\pm 3.0	30.8	\pm 3.0	30.9	\pm 3.0
	RDW-CV	%	17.2	\pm 3.0	15.6	\pm 3.0	14.6	\pm 3.0
	RDW-SD	fL	55.1	\pm 6.0	53.0	\pm 6.0	53.0	\pm 8.0
	PLT	$\times 10^9/L$	56	\pm 20	207	\pm 40	413	\pm 60
	MPV	fL	11.9	\pm 3.0	12.1	\pm 3.0	12.0	\pm 3.0
	PDW	/	16.0	\pm 3.0	16.5	\pm 3.0	16.5	\pm 3.0
	PCT	%	0.067	\pm 0.050	0.250	\pm 0.100	0.496	\pm 0.200
	P-LCR	%	39.8	\pm 20.0	39.5	\pm 10.0	39.4	\pm 10.0
	P-LCC	$\times 10^9/L$	22	\pm 12	82	\pm 24	163	\pm 50
	IMG#	$\times 10^9/L$	0.05	\pm 0.39	0.10	\pm 0.77	0.27	\pm 2.08
	IMG%	%	1.3	\pm 10.0	1.3	\pm 10.0	1.3	\pm 10.0
	NRBC#	$\times 10^9/L$	0.389	\pm 0.389	0.251	\pm 0.251	0.400	\pm 0.400
	NRBC%	/100WBC	10.12	\pm 10.12	3.14	\pm 3.14	1.95	\pm 1.95
	Micro%	%	3.1	\pm 15.0	2.5	\pm 4.0	2.1	\pm 2.5
	Macro%	%	4.9	\pm 3.0	5.4	\pm 5.0	6.9	\pm 10.0
	Neu-X	/	392.0	\pm 120.0	384.3	\pm 120.0	396.7	\pm 120.0
	Neu-Y	/	511.0	\pm 120.0	512.5	\pm 150.0	516.4	\pm 150.0
	Mon-X	/	211.5	\pm 120.0	204.2	\pm 120.0	205.5	\pm 120.0
	PLT-I	$\times 10^9/L$	56	\pm 20	207	\pm 40	413	\pm 60

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2026-07-10

Instrument	Parameter		Low		Normal		High	
			LOT	MB0526AL	LOT	MB0526AN	LOT	MB0526AH
BC-700[B]	WBC	$\times 10^9/L$	3.92	± 0.50	8.31	± 1.00	21.09	± 2.50
BC-760[B]	Neu#	$\times 10^9/L$	2.22	± 0.40	4.37	± 0.84	12.19	± 2.11
BC-700[B] CS	Lym#	$\times 10^9/L$	0.93	± 0.32	3.03	± 0.67	6.83	± 1.69
BC-760[B] CS	Mon#	$\times 10^9/L$	0.13	± 0.13	0.42	± 0.42	0.95	± 0.95
BC-700[R]	Eos#	$\times 10^9/L$	0.59	± 0.59	0.37	± 0.37	0.82	± 0.82
BC-720[R]	Bas#	$\times 10^9/L$	0.05	± 0.18	0.12	± 0.43	0.30	± 1.08
BC-760[R]	Neu%	%	56.5	± 10.0	52.5	± 10.0	57.8	± 10.0
BC-700[R] CS	Lym%	%	23.7	± 8.0	36.5	± 8.0	32.4	± 8.0
BC-760[R] CS	Mon%	%	3.3	± 3.3	5.1	± 5.1	4.5	± 4.5
BP 200n	Eos%	%	15.1	± 15.1	4.5	± 4.5	3.9	± 3.9
BP 260n	Bas%	%	1.4	± 5.0	1.4	± 5.0	1.4	± 5.0
QC Mode	RBC	$\times 10^{12}/L$	2.22	± 0.18	4.21	± 0.24	5.10	± 0.30
	HGB	g/dL	5.8	± 0.4	12.1	± 0.6	15.6	± 0.8
	HCT	%	19.4	± 1.5	39.7	± 2.0	51.6	± 2.4
	MCV	fL	87.2	± 5.0	94.3	± 5.0	101.1	± 5.0
	MCH	pg	26.1	± 2.5	28.7	± 2.5	30.6	± 2.5
	MCHC	g/dL	30.0	± 3.0	30.5	± 3.0	30.3	± 3.0
	RDW-CV	%	17.8	± 3.0	15.3	± 3.0	14.3	± 3.0
	RDW-SD	fL	57.3	± 6.0	53.5	± 6.0	53.4	± 8.0
	PLT	$\times 10^9/L$	57	± 20	202	± 40	392	± 60
	PLT-H	$\times 10^9/L$	58	± 20	205	± 40	397	± 60
	MPV	fL	11.1	± 3.0	11.6	± 3.0	11.6	± 3.0
	PDW	/	16.3	± 3.0	16.9	± 3.0	16.6	± 3.0
	PCT	%	0.063	± 0.050	0.234	± 0.100	0.455	± 0.200
	P-LCR	%	36.0	± 20.0	37.2	± 10.0	38.2	± 10.0
	P-LCC	$\times 10^9/L$	21	± 12	75	± 24	150	± 50
	IMG#	$\times 10^9/L$	0.05	± 0.39	0.11	± 0.85	0.25	± 2.09
	IMG%	%	1.3	± 10.0	1.3	± 10.0	1.2	± 10.0
	NRBC#	$\times 10^9/L$	0.082	± 0.082	0.166	± 0.166	0.477	± 0.477
	NRBC%	/100WBC	2.10	± 2.10	2.00	± 2.00	2.26	± 2.26
	IPF	%	2.4	± 5.0	2.4	± 5.0	2.4	± 5.0
	ESR	mm/h	38.69	± 10.00	15.35	± 4.00	/	$\pm /$

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LOT MB0526A



2026-07-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0526AL	LOT	MB0526AN	LOT	MB0526AH
BC-7600	WBC	$\times 10^9/L$	3.94 \pm 0.80		8.15 \pm 1.00		20.68 \pm 2.50
BC-7800	Neu#	$\times 10^9/L$	2.14 \pm 0.50		4.10 \pm 0.80		11.42 \pm 2.00
BC-7900	Lym#	$\times 10^9/L$	0.93 \pm 0.40		2.97 \pm 0.80		6.70 \pm 1.60
(Not applicable to Russia)	Mon#	$\times 10^9/L$	0.13 \pm 0.12		0.42 \pm 0.38		0.91 \pm 0.80
	Eos#	$\times 10^9/L$	0.68 \pm 0.30		0.55 \pm 0.50		1.36 \pm 1.20
	Bas#	$\times 10^9/L$	0.06 \pm 0.10		0.11 \pm 0.10		0.29 \pm 0.29
	Neu%	%	54.3 \pm 12.0		50.2 \pm 10.0		55.2 \pm 10.0
	Lym%	%	23.7 \pm 9.5		36.5 \pm 10.0		32.4 \pm 8.0
	Mon%	%	3.3 \pm 3.0		5.1 \pm 4.0		4.4 \pm 3.5
	Eos%	%	17.2 \pm 7.0		6.8 \pm 6.0		6.6 \pm 6.0
	Bas%	%	1.5 \pm 1.0		1.4 \pm 1.0		1.4 \pm 1.5
	RBC	$\times 10^{12}/L$	2.22 \pm 0.18		4.22 \pm 0.24		5.17 \pm 0.30
	HGB	g/dL	5.9 \pm 0.4		12.2 \pm 0.6		15.8 \pm 0.8
	HCT	%	19.4 \pm 2.0		39.9 \pm 2.5		52.5 \pm 3.0
	MCV	fL	87.5 \pm 5.0		94.5 \pm 5.0		101.5 \pm 5.0
	MCH	pg	26.6 \pm 2.5		28.9 \pm 2.5		30.6 \pm 2.5
	MCHC	g/dL	30.4 \pm 3.0		30.6 \pm 3.0		30.1 \pm 3.0
	RDW-CV	%	17.9 \pm 5.0		15.4 \pm 5.0		14.4 \pm 6.0
	RDW-SD	fL	56.4 \pm 10.0		52.5 \pm 10.0		52.3 \pm 12.0
	PLT	$\times 10^9/L$	56 \pm 20		199 \pm 40		390 \pm 60
	PLT-H	$\times 10^9/L$	55 \pm 20		198 \pm 40		389 \pm 60
	MPV	fL	11.0 \pm 3.0		11.6 \pm 3.0		11.5 \pm 3.0
	PDW	/	16.2 \pm 5.0		16.9 \pm 5.0		16.6 \pm 5.0
	PCT	%	0.062 \pm 0.050		0.231 \pm 0.100		0.449 \pm 0.200
	P-LCR	%	35.0 \pm 10.0		36.9 \pm 10.0		37.3 \pm 10.0
	P-LCC	$\times 10^9/L$	20 \pm 8		73 \pm 24		145 \pm 50
	IMG#	$\times 10^9/L$	0.05 \pm 0.50		0.11 \pm 0.90		0.25 \pm 2.20
	IMG%	%	1.3 \pm 10.0		1.3 \pm 10.0		1.2 \pm 10.0
	NRBC#	$\times 10^9/L$	0.378 \pm 0.300		0.243 \pm 0.500		0.383 \pm 0.300
	NRBC%	/100WBC	9.60 \pm 10.00		2.98 \pm 10.00		1.85 \pm 10.00
	Micro%	%	2.9 \pm 15.0		2.4 \pm 4.0		2.0 \pm 2.5
	Macro%	%	4.6 \pm 3.0		4.9 \pm 5.0		5.7 \pm 10.0
	Neu-X	/	396.8 \pm 120.0		397.8 \pm 120.0		393.1 \pm 120.0
	Neu-Y	/	518.8 \pm 120.0		520.1 \pm 150.0		519.4 \pm 150.0
	Mon-X	/	224.1 \pm 120.0		210.1 \pm 120.0		213.3 \pm 120.0
	PLT-I	$\times 10^9/L$	56 \pm 20		199 \pm 40		390 \pm 60
	ESR	mm/h	38.31 \pm 10.00		14.69 \pm 4.00		/ \pm /
	WBC-M*	$\times 10^9/L$	4.02 \pm 0.80		8.20 \pm 1.00		21.02 \pm 2.50

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

WBC-M applies to BC-7900.

*Research use only.

AS908 Rev.08