

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1803B**2018-05-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1803BL	LOT	BC1803BN	LOT	BC1803BH	
BC-5800,BC-5600	WBC $\times 10^9/L$	3.40	± 0.50	8.00	± 1.00	17.90	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.67	± 0.35	4.44	± 0.65	11.37	± 1.45	
	Lym# $\times 10^9/L$	1.28	± 0.35	2.32	± 0.65	3.40	± 1.45	
	Mon# $\times 10^9/L$	0.27	± 0.24	0.56	± 0.48	1.34	± 1.10	
	Eos# $\times 10^9/L$	0.15	± 0.10	0.60	± 0.48	1.61	± 1.30	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18	
	Neu%	49.0	± 9.0	55.5	± 8.0	63.5	± 8.0	
	Lym%	37.5	± 9.0	29.0	± 8.0	19.0	± 8.0	
	Mon%	8.0	± 7.0	7.0	± 6.0	7.5	± 6.0	
	Eos%	4.5	± 3.0	7.5	± 6.0	9.0	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	2.28	± 0.18	4.10	± 0.24	5.00	± 0.30	
	HGB g/L	65	± 4	132	± 6	166	± 8	
	HCT %	19.8	± 1.5	39.8	± 2.0	51.5	± 2.4	
	MCV fL	87.0	± 5.0	97.0	± 5.0	103.0	± 5.0	
	MCH pg	28.5	± 2.5	32.2	± 2.5	33.2	± 2.5	
	MCHC g/L	328	± 30	332	± 30	322	± 30	
	RDW-CV %	14.0	± 3.0	13.5	± 3.0	13.0	± 3.0	
	RDW-SD fL	42.5	± 8.0	46.5	± 8.0	46.0	± 8.0	
	PLT $\times 10^9/L$	57	± 20	250	± 40	495	± 60	
	MPV fL	6.6	± 3.0	8.1	± 3.0	8.7	± 3.0	
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.435	± 0.200	
	PDW*	16.3	± 3.0	15.6	± 3.0	15.9	± 3.0	
	P-LCC $\times 10^9/L$	15	± 15	48	± 25	118	± 35	
	P-LCR %	15.0	± 10.0	19.5	± 10.0	23.5	± 10.0	
BC-5500,BC-5200	WBC $\times 10^9/L$	3.30	± 0.50	7.70	± 1.00	17.20	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.68	± 0.30	4.24	± 0.65	10.66	± 1.40	
	Lym# $\times 10^9/L$	1.19	± 0.30	2.16	± 0.65	3.35	± 1.40	
	Mon# $\times 10^9/L$	0.18	± 0.17	0.50	± 0.47	1.03	± 0.90	
	Eos# $\times 10^9/L$	0.21	± 0.20	0.73	± 0.62	1.98	± 1.40	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.17	± 0.17	
	Neu%	51.0	± 9.0	55.0	± 8.0	62.0	± 8.0	
	Lym%	36.0	± 9.0	28.0	± 8.0	19.5	± 8.0	
	Mon%	5.5	± 5.0	6.5	± 6.0	6.0	± 5.0	
	Eos%	6.5	± 6.0	9.5	± 8.0	11.5	± 8.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	2.27	± 0.18	4.08	± 0.24	4.96	± 0.30	
	HGB g/L	68	± 4	139	± 6	175	± 8	
	HCT %	18.8	± 1.5	37.9	± 2.0	48.6	± 2.4	
	MCV fL	83.0	± 5.0	93.0	± 5.0	98.0	± 5.0	
	MCH pg	30.0	± 2.5	34.1	± 2.5	35.3	± 2.5	
	MCHC g/L	361	± 30	366	± 30	360	± 30	
	RDW-CV %	11.5	± 3.0	11.5	± 3.0	11.0	± 3.0	
	RDW-SD fL	29.0	± 8.0	33.0	± 8.0	34.0	± 8.0	
	PLT $\times 10^9/L$	51	± 20	245	± 40	478	± 60	
	MPV fL	7.5	± 3.0	8.5	± 3.0	9.2	± 3.0	
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.440	± 0.200	
	PDW*	16.4	± 3.0	15.7	± 3.0	16.3	± 3.0	

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BC1803B
2018-05-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC1803BL	LOT	BC1803BN	LOT	BC1803BH	
BC-5390	WBC ×10 ⁹ /L		3.10 ± 0.50		7.60 ± 1.00		16.90 ± 2.50	
QC Mode	Neu# ×10 ⁹ /L		1.58 ± 0.30		4.29 ± 0.65		10.73 ± 1.55	
	Lym# ×10 ⁹ /L		1.12 ± 0.30		2.13 ± 0.65		3.21 ± 1.20	
	Mon# ×10 ⁹ /L		0.20 ± 0.19		0.46 ± 0.44		1.01 ± 0.85	
	Eos# ×10 ⁹ /L		0.20 ± 0.19		0.72 ± 0.61		1.94 ± 1.35	
	Bas# ×10 ⁹ /L		0.76 ± 0.35		2.08 ± 0.80		5.22 ± 1.70	
	Neu%		51.0 ± 9.0		56.5 ± 8.0		63.5 ± 9.0	
	Lym%		36.0 ± 9.0		28.0 ± 8.0		19.0 ± 7.0	
	Mon%		6.5 ± 6.0		6.0 ± 5.0		6.0 ± 5.0	
	Eos%		6.5 ± 6.0		9.5 ± 8.0		11.5 ± 8.0	
	Bas%		24.5 ± 10.0		27.4 ± 10.0		30.9 ± 10.0	
	RBC ×10 ¹² /L		2.17 ± 0.18		4.02 ± 0.24		4.88 ± 0.30	
	HGB g/L		59 ± 4		121 ± 6		153 ± 8	
	HCT %		18.7 ± 1.5		38.2 ± 2.0		49.0 ± 2.4	
	MCV fL		86.0 ± 5.0		95.0 ± 5.0		100.5 ± 5.0	
	MCH pg		27.2 ± 2.5		30.1 ± 2.5		31.4 ± 2.5	
	MCHC g/L		316 ± 30		317 ± 30		312 ± 30	
	RDW-CV %		13.2 ± 3.0		13.5 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		43.0 ± 8.0		47.0 ± 8.0		48.5 ± 8.0	
	PLT ×10 ⁹ /L		49 ± 20		241 ± 40		482 ± 60	
	MPV fL		9.7 ± 3.0		10.7 ± 3.0		11.2 ± 3.0	
BC-5390 CRP	WBC ×10 ⁹ /L		3.20 ± 0.50		7.80 ± 1.00		17.30 ± 2.50	
QC Mode	Neu# ×10 ⁹ /L		1.71 ± 0.30		4.45 ± 0.65		11.16 ± 1.60	
	Lym# ×10 ⁹ /L		1.10 ± 0.30		2.15 ± 0.65		3.20 ± 1.25	
	Mon# ×10 ⁹ /L		0.19 ± 0.16		0.51 ± 0.48		0.87 ± 0.70	
	Eos# ×10 ⁹ /L		0.19 ± 0.16		0.70 ± 0.63		2.08 ± 1.40	
	Bas# ×10 ⁹ /L		0.77 ± 0.35		2.11 ± 0.80		5.36 ± 1.75	
	Neu%		53.5 ± 9.0		57.0 ± 8.0		64.5 ± 9.0	
	Lym%		34.5 ± 9.0		27.5 ± 8.0		18.5 ± 7.0	
	Mon%		6.0 ± 5.0		6.5 ± 6.0		5.0 ± 4.0	
	Eos%		6.0 ± 5.0		9.0 ± 8.0		12.0 ± 8.0	
	Bas%		24.0 ± 10.0		27.0 ± 10.0		31.0 ± 10.0	
	RBC ×10 ¹² /L		2.21 ± 0.18		4.03 ± 0.24		4.93 ± 0.30	
	HGB g/L		61 ± 4		122 ± 6		154 ± 8	
	HCT %		18.5 ± 1.5		38.3 ± 2.0		49.5 ± 2.4	
	MCV fL		83.5 ± 5.0		95.0 ± 5.0		100.5 ± 5.0	
	MCH pg		27.6 ± 2.5		30.3 ± 2.5		31.2 ± 2.5	
	MCHC g/L		331 ± 30		319 ± 30		311 ± 30	
	RDW-CV %		14.5 ± 3.0		14.0 ± 3.0		13.5 ± 3.0	
	RDW-SD fL		42.5 ± 8.0		47.0 ± 8.0		47.5 ± 8.0	
	PLT ×10 ⁹ /L		46 ± 20		235 ± 40		480 ± 60	
	MPV fL		7.5 ± 3.0		8.2 ± 3.0		8.7 ± 3.0	
	PCT %*		0.050 ± 0.050		0.190 ± 0.100		0.420 ± 0.200	
	PDW*		15.6 ± 3.0		15.6 ± 3.0		16.0 ± 3.0	
	P-LCC ×10 ⁹ /L		15 ± 15		44 ± 25		100 ± 35	
	P-LCR %		13.0 ± 10.0		17.5 ± 10.0		21.0 ± 10.0	

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		LOT	BC1803BL	LOT	BC1803BN	LOT	BC1803BH	
BC-5300,BC-5100	WBC ×10 ⁹ /L		3.25 ± 0.50		7.85 ± 1.00		17.60 ± 2.50	
BC-5380,BC-5180	Neu# ×10 ⁹ /L		1.80 ± 0.30		4.55 ± 0.65		11.70 ± 1.45	
QC Mode	Lym# ×10 ⁹ /L		1.13 ± 0.30		2.12 ± 0.65		3.17 ± 1.45	
(Software version lower than 1.24.00.16860)	Mon# ×10 ⁹ /L		0.10 ± 0.10		0.39 ± 0.32		0.62 ± 0.62	
	Eos# ×10 ⁹ /L		0.22 ± 0.20		0.79 ± 0.64		2.11 ± 1.45	
	Bas# ×10 ⁹ /L		1.72 ± 0.35		5.09 ± 0.80		13.50 ± 1.80	
	Neu%		55.5 ± 9.0		58.0 ± 8.0		66.5 ± 8.0	
	Lym%		34.8 ± 9.0		27.0 ± 8.0		18.0 ± 8.0	
	Mon%		3.0 ± 3.0		5.0 ± 4.0		3.5 ± 3.5	
	Eos%		6.7 ± 6.0		10.0 ± 8.0		12.0 ± 8.0	
	Bas%		52.9 ± 10.0		64.9 ± 10.0		76.7 ± 10.0	
	RBC ×10 ¹² /L		2.19 ± 0.18		4.05 ± 0.24		4.90 ± 0.30	
	HGB g/L		61 ± 4		122 ± 6		154 ± 8	
	HCT %		19.9 ± 1.5		40.7 ± 2.0		52.2 ± 2.4	
	MCV fL		90.8 ± 5.0		100.5 ± 5.0		106.5 ± 5.0	
	MCH pg		27.9 ± 2.5		30.1 ± 2.5		31.4 ± 2.5	
	MCHC g/L		307 ± 30		300 ± 30		295 ± 30	
	RDW-CV %		14.0 ± 3.0		13.8 ± 3.0		12.8 ± 3.0	
	RDW-SD fL		54.8 ± 8.0		58.5 ± 8.0		60.5 ± 8.0	
	PLT ×10 ⁹ /L		47 ± 20		234 ± 40		468 ± 60	
	MPV fL		7.3 ± 3.0		8.4 ± 3.0		8.8 ± 3.0	
	PCT %*		0.050 ± 0.050		0.195 ± 0.100		0.410 ± 0.200	
	PDW*		15.6 ± 3.0		15.5 ± 3.0		16.0 ± 3.0	
BC-5300,BC-5100	WBC ×10 ⁹ /L		3.20 ± 0.50		7.85 ± 1.00		17.40 ± 2.50	
BC-5380,BC-5180	Neu# ×10 ⁹ /L		1.78 ± 0.30		4.55 ± 0.65		11.57 ± 1.40	
QC Mode	Lym# ×10 ⁹ /L		1.10 ± 0.30		2.12 ± 0.65		3.13 ± 1.40	
(Software version 1.24.00.16860 or higher)	Mon# ×10 ⁹ /L		0.10 ± 0.10		0.39 ± 0.32		0.61 ± 0.61	
	Eos# ×10 ⁹ /L		0.22 ± 0.19		0.79 ± 0.64		2.09 ± 1.40	
	Bas# ×10 ⁹ /L		1.77 ± 0.35		5.33 ± 0.80		13.57 ± 1.75	
	Neu%		55.5 ± 9.0		58.0 ± 8.0		66.5 ± 8.0	
	Lym%		34.5 ± 9.0		27.0 ± 8.0		18.0 ± 8.0	
	Mon%		3.0 ± 3.0		5.0 ± 4.0		3.5 ± 3.5	
	Eos%		7.0 ± 6.0		10.0 ± 8.0		12.0 ± 8.0	
	Bas%		55.4 ± 10.0		67.9 ± 10.0		78.0 ± 10.0	
	RBC ×10 ¹² /L		2.17 ± 0.18		4.04 ± 0.24		4.88 ± 0.30	
	HGB g/L		61 ± 4		123 ± 6		154 ± 8	
	HCT %		19.2 ± 1.5		39.8 ± 2.0		50.5 ± 2.4	
	MCV fL		88.5 ± 5.0		98.5 ± 5.0		103.5 ± 5.0	
	MCH pg		28.1 ± 2.5		30.4 ± 2.5		31.6 ± 2.5	
	MCHC g/L		318 ± 30		309 ± 30		305 ± 30	
	RDW-CV %		14.0 ± 3.0		14.0 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		50.0 ± 8.0		55.0 ± 8.0		56.5 ± 8.0	
	PLT ×10 ⁹ /L		47 ± 20		236 ± 40		476 ± 60	
	MPV fL		7.2 ± 3.0		8.3 ± 3.0		8.9 ± 3.0	
	PCT %*		0.050 ± 0.050		0.190 ± 0.100		0.425 ± 0.200	
	PDW*		15.2 ± 3.0		15.2 ± 3.0		16.0 ± 3.0	

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Instrument	Parameter	Low		Normal		High		++++
		LOT	BC1803BL	LOT	BC1803BN	LOT	BC1803BH	
BC-5000,BC-5150,BC-5120	WBC ×10 ⁹ /L	3.30	± 0.50	7.60	± 1.00	17.25	± 2.50	
BC-5130,BC-5140,BC-5000VET	Neu# ×10 ⁹ /L	1.67	± 0.40	4.14	± 0.95	10.73	± 2.10	
QC Mode	Lym# ×10 ⁹ /L	1.16	± 0.30	1.99	± 0.65	2.97	± 1.25	
	Mon# ×10 ⁹ /L	0.23	± 0.23	0.61	± 0.61	1.21	± 1.21	
	Eos# ×10 ⁹ /L	0.20	± 0.20	0.74	± 0.74	2.00	± 2.00	
	Bas# ×10 ⁹ /L	0.04	± 0.04	0.12	± 0.12	0.35	± 0.35	
	Neu%	50.5	± 12.0	54.5	± 12.0	62.2	± 12.0	
	Lym%	35.2	± 9.0	26.2	± 8.0	17.2	± 7.0	
	Mon%	7.0	± 7.0	8.0	± 8.0	7.0	± 7.0	
	Eos%	6.2	± 6.2	9.7	± 9.7	11.6	± 11.6	
	Bas%	1.1	± 1.1	1.6	± 1.6	2.0	± 2.0	
	RBC ×10 ¹² /L	2.20	± 0.18	4.07	± 0.24	4.91	± 0.30	
	HGB g/L	60	± 4	124	± 6	158	± 8	
	HCT %	19.5	± 1.5	39.5	± 2.0	49.8	± 2.4	
	MCV fL	88.5	± 5.0	97.0	± 5.0	101.5	± 5.0	
	MCH pg	27.3	± 2.5	30.5	± 2.5	32.2	± 2.5	
	MCHC g/L	308	± 30	314	± 30	317	± 30	
	RDW-CV %	16.0	± 3.0	17.0	± 3.0	15.5	± 3.0	
	RDW-SD fL	52.5	± 8.0	57.0	± 8.0	56.0	± 8.0	
	PLT ×10 ⁹ /L	49	± 20	239	± 40	488	± 60	
	MPV fL	8.8	± 3.0	10.1	± 3.0	10.4	± 3.0	
	PCT %*	0.050	± 0.050	0.240	± 0.100	0.510	± 0.200	
	PDW*	15.6	± 3.0	15.5	± 3.0	16.2	± 3.0	
	P-LCC ×10 ⁹ /L**	15	± 15	62	± 25	140	± 35	
	P-LCR %**	20.0	± 10.0	26.0	± 10.0	28.0	± 10.0	
BC-5300Vet,BC-5100Vet	WBC ×10 ⁹ /L	3.25	± 0.50	7.85	± 1.00	17.60	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.80	± 0.30	4.55	± 0.65	11.70	± 1.45	
	Lym# ×10 ⁹ /L	1.13	± 0.30	2.12	± 0.65	3.17	± 1.45	
	Mon# ×10 ⁹ /L	0.10	± 0.10	0.39	± 0.32	0.62	± 0.62	
	Eos# ×10 ⁹ /L	0.22	± 0.20	0.79	± 0.64	2.11	± 1.45	
	Neu%	55.5	± 9.0	58.0	± 8.0	66.5	± 8.0	
	Lym%	34.8	± 9.0	27.0	± 8.0	18.0	± 8.0	
	Mon%	3.0	± 3.0	5.0	± 4.0	3.5	± 3.5	
	Eos%	6.7	± 6.0	10.0	± 10.0	12.0	± 8.0	
	RBC ×10 ¹² /L	2.19	± 0.18	4.05	± 0.24	4.90	± 0.30	
	HGB g/L	61	± 4	122	± 6	154	± 8	
	HCT %	19.9	± 1.5	40.7	± 2.0	52.2	± 2.4	
	MCV fL	90.8	± 5.0	100.5	± 5.0	106.5	± 5.0	
	MCH pg	27.9	± 2.5	30.1	± 2.5	31.4	± 2.5	
	MCHC g/L	307	± 30	300	± 30	295	± 30	
	RDW-CV %	14.0	± 3.0	13.8	± 3.0	12.8	± 3.0	
	RDW-SD fL	54.8	± 8.0	58.5	± 8.0	60.5	± 8.0	
	PLT ×10 ⁹ /L	47	± 20	234	± 40	468	± 60	
	MPV fL	7.3	± 3.0	8.4	± 3.0	8.8	± 3.0	
	PCT %*	0.050	± 0.050	0.195	± 0.100	0.410	± 0.200	
	PDW*	15.6	± 3.0	15.5	± 3.0	16.0	± 3.0	

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** These parameters are not provided on BC-5000/BC-5000 Vet analyzers

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EC	REP
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