

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1801B**2018-03-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1801BL	LOT	BC1801BN	LOT	BC1801BH	
BC-5800,BC-5600	WBC $\times 10^9/L$	3.40	± 0.50	8.10	± 1.00	18.10	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.60	± 0.35	4.46	± 0.65	11.58	± 1.45	
	Lym# $\times 10^9/L$	1.34	± 0.35	2.35	± 0.65	3.53	± 1.45	
	Mon# $\times 10^9/L$	0.26	± 0.25	0.65	± 0.57	1.27	± 1.10	
	Eos# $\times 10^9/L$	0.17	± 0.16	0.57	± 0.49	1.54	± 1.30	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18	
	Neu%	47.0	± 9.0	55.0	± 8.0	64.0	± 8.0	
	Lym%	39.5	± 9.0	29.0	± 8.0	19.5	± 8.0	
	Mon%	7.5	± 7.0	8.0	± 7.0	7.0	± 6.0	
	Eos%	5.0	± 4.5	7.0	± 6.0	8.5	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	2.10	± 0.18	4.25	± 0.24	5.25	± 0.30	
	HGB g/L	58	± 4	133	± 6	174	± 8	
	HCT %	17.6	± 1.5	40.4	± 2.0	53.6	± 2.4	
	MCV fL	84.0	± 5.0	95.0	± 5.0	102.0	± 5.0	
	MCH pg	27.6	± 2.5	31.3	± 2.5	33.1	± 2.5	
	MCHC g/L	329	± 30	329	± 30	325	± 30	
	RDW-CV %	14.5	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	42.5	± 10.0	44.0	± 10.0	45.0	± 10.0	
	PLT $\times 10^9/L$	54	± 20	250	± 40	485	± 60	
	MPV fL	7.4	± 3.0	7.6	± 3.0	9.1	± 3.0	
	PCT %*	0.050	± 0.050	0.190	± 0.100	0.450	± 0.200	
	PDW*	15.7	± 3.0	15.5	± 3.0	16.0	± 3.0	
	P-LCC $\times 10^9/L$	15	± 15	40	± 25	130	± 35	
	P-LCR %	16.5	± 10.0	16.0	± 10.0	27.0	± 10.0	
BC-5500,BC-5200	WBC $\times 10^9/L$	3.35	± 0.50	7.85	± 1.00	17.35	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.64	± 0.35	4.44	± 0.65	11.28	± 1.40	
	Lym# $\times 10^9/L$	1.29	± 0.35	2.20	± 0.65	3.38	± 1.40	
	Mon# $\times 10^9/L$	0.20	± 0.17	0.55	± 0.48	0.95	± 0.87	
	Eos# $\times 10^9/L$	0.18	± 0.17	0.59	± 0.48	1.56	± 1.22	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.17	± 0.17	
	Neu%	49.0	± 9.0	56.5	± 8.0	65.0	± 8.0	
	Lym%	38.5	± 9.0	28.0	± 8.0	19.5	± 8.0	
	Mon%	6.0	± 5.0	7.0	± 6.0	5.5	± 5.0	
	Eos%	5.5	± 5.0	7.5	± 6.0	9.0	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	2.13	± 0.18	4.28	± 0.24	5.21	± 0.30	
	HGB g/L	62	± 4	141	± 6	185	± 8	
	HCT %	16.8	± 1.5	38.3	± 2.0	50.3	± 2.4	
	MCV fL	79.0	± 5.0	89.5	± 5.0	96.5	± 5.0	
	MCH pg	29.1	± 2.5	32.9	± 2.5	35.5	± 2.5	
	MCHC g/L	368	± 30	368	± 30	368	± 30	
	RDW-CV %	12.0	± 3.0	11.5	± 3.0	11.0	± 3.0	
	RDW-SD fL	31.0	± 10.0	35.0	± 10.0	36.5	± 10.0	
	PLT $\times 10^9/L$	58	± 20	248	± 40	475	± 60	
	MPV fL	7.5	± 3.0	8.0	± 3.0	9.8	± 3.0	
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.470	± 0.200	
	PDW*	17.0	± 3.0	16.5	± 3.0	16.5	± 3.0	

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BC1801B
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Instrument	Parameter	Low		Normal		High		++
		LOT	BC1801BL	LOT	BC1801BN	LOT	BC1801BH	
BC-5390	WBC ×10 ⁹ /L	3.10	± 0.50	7.60	± 1.00	17.15	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.55	± 0.30	4.33	± 0.65	11.34	± 1.55	
	Lym# ×10 ⁹ /L	1.19	± 0.30	2.13	± 0.65	3.10	± 1.20	
	Mon# ×10 ⁹ /L	0.19	± 0.16	0.57	± 0.46	1.05	± 0.90	
	Eos# ×10 ⁹ /L	0.17	± 0.16	0.57	± 0.46	1.66	± 1.37	
	Bas# ×10 ⁹ /L	0.76	± 0.35	2.09	± 0.80	5.35	± 1.75	
	Neu%	50.0	± 9.0	57.0	± 8.0	66.1	± 9.0	
	Lym%	38.5	± 9.0	28.0	± 8.0	18.1	± 7.0	
	Mon%	6.0	± 5.0	7.5	± 6.0	6.1	± 5.0	
	Eos%	5.5	± 5.0	7.5	± 6.0	9.7	± 8.0	
	Bas%	24.6	± 10.0	27.5	± 10.0	31.2	± 10.0	
	RBC ×10 ¹² /L	2.03	± 0.18	4.18	± 0.24	5.18	± 0.30	
	HGB g/L	53	± 4	124	± 6	163	± 8	
	HCT %	16.4	± 1.5	38.2	± 2.0	51.0	± 2.4	
	MCV fL	81.0	± 5.0	91.5	± 5.0	98.5	± 5.0	
	MCH pg	26.1	± 2.5	29.7	± 2.5	31.5	± 2.5	
	MCHC g/L	322	± 30	324	± 30	319	± 30	
	RDW-CV %	14.0	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	45.0	± 10.0	46.5	± 10.0	48.0	± 10.0	
	PLT ×10 ⁹ /L	55	± 20	237	± 40	480	± 60	
	MPV fL	10.1	± 3.0	10.2	± 3.0	11.7	± 3.0	
BC-5390 CRP	WBC ×10 ⁹ /L	3.25	± 0.50	7.90	± 1.00	17.40	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.67	± 0.30	4.58	± 0.65	11.75	± 1.60	
	Lym# ×10 ⁹ /L	1.20	± 0.30	2.13	± 0.65	3.22	± 1.25	
	Mon# ×10 ⁹ /L	0.21	± 0.17	0.55	± 0.40	0.78	± 0.70	
	Eos# ×10 ⁹ /L	0.16	± 0.13	0.63	± 0.48	1.65	± 1.40	
	Bas# ×10 ⁹ /L	0.80	± 0.35	2.17	± 0.80	5.48	± 1.75	
	Neu%	51.5	± 9.0	58.0	± 8.0	67.5	± 9.0	
	Lym%	37.0	± 9.0	27.0	± 8.0	18.5	± 7.0	
	Mon%	6.5	± 5.0	7.0	± 5.0	4.5	± 4.0	
	Eos%	5.0	± 4.0	8.0	± 6.0	9.5	± 8.0	
	Bas%	24.5	± 10.0	27.5	± 10.0	31.5	± 10.0	
	RBC ×10 ¹² /L	2.08	± 0.18	4.23	± 0.24	5.18	± 0.30	
	HGB g/L	55	± 4	124	± 6	163	± 8	
	HCT %	16.5	± 1.5	38.7	± 2.0	51.3	± 2.4	
	MCV fL	79.5	± 5.0	91.5	± 5.0	99.0	± 5.0	
	MCH pg	26.4	± 2.5	29.3	± 2.5	31.5	± 2.5	
	MCHC g/L	333	± 30	320	± 30	318	± 30	
	RDW-CV %	14.5	± 3.0	14.0	± 3.0	13.5	± 3.0	
	RDW-SD fL	43.5	± 10.0	47.0	± 10.0	47.5	± 10.0	
	PLT ×10 ⁹ /L	50	± 20	231	± 40	470	± 60	
	MPV fL	7.5	± 3.0	7.8	± 3.0	9.3	± 3.0	
	PCT %*	0.050	± 0.050	0.180	± 0.100	0.430	± 0.200	
	PDW*	15.0	± 3.0	15.5	± 3.0	16.0	± 3.0	
	P-LCC ×10 ⁹ /L	15	± 15	35	± 25	100	± 35	
	P-LCR %	15.5	± 10.0	15.0	± 10.0	22.5	± 10.0	

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Instrument	Parameter	Low		Normal		High		+++
		LOT	BC1801BL	LOT	BC1801BN	LOT	BC1801BH	
BC-5300,BC-5100	WBC $\times 10^9/L$		3.20 \pm 0.50		7.80 \pm 1.00		17.60 \pm 2.50	
BC-5380,BC-5180	Neu# $\times 10^9/L$		1.73 \pm 0.30		4.70 \pm 0.65		12.21 \pm 1.45	
QC Mode	Lym# $\times 10^9/L$		1.17 \pm 0.30		2.07 \pm 0.65		3.13 \pm 1.45	
(Software version lower than 1.24.00.16860)	Mon# $\times 10^9/L$		0.11 \pm 0.10		0.37 \pm 0.31		0.56 \pm 0.53	
	Eos# $\times 10^9/L$		0.18 \pm 0.17		0.65 \pm 0.47		1.69 \pm 1.45	
	Bas# $\times 10^9/L$		1.76 \pm 0.35		5.09 \pm 0.80		13.76 \pm 1.80	
	Neu%		54.2 \pm 9.0		60.3 \pm 8.0		69.4 \pm 8.0	
	Lym%		36.7 \pm 9.0		26.6 \pm 8.0		17.8 \pm 8.0	
	Mon%		3.5 \pm 3.0		4.8 \pm 4.0		3.2 \pm 3.0	
	Eos%		5.6 \pm 5.0		8.3 \pm 6.0		9.6 \pm 8.0	
	Bas%		55.0 \pm 10.0		65.3 \pm 10.0		78.2 \pm 10.0	
	RBC $\times 10^{12}/L$		2.04 \pm 0.18		4.17 \pm 0.24		5.16 \pm 0.30	
	HGB g/L		55 \pm 4		125 \pm 6		164 \pm 8	
	HCT %		17.7 \pm 1.5		41.1 \pm 2.0		54.2 \pm 2.4	
	MCV fL		86.8 \pm 5.0		98.5 \pm 5.0		105.0 \pm 5.0	
	MCH pg		27.0 \pm 2.5		30.0 \pm 2.5		31.8 \pm 2.5	
	MCHC g/L		311 \pm 30		304 \pm 30		303 \pm 30	
	RDW-CV %		14.3 \pm 3.0		13.8 \pm 3.0		12.8 \pm 3.0	
	RDW-SD fL		53.8 \pm 10.0		56.5 \pm 10.0		57.3 \pm 10.0	
	PLT $\times 10^9/L$		50 \pm 20		232 \pm 40		468 \pm 60	
	MPV fL		7.8 \pm 3.0		7.9 \pm 3.0		9.3 \pm 3.0	
	PCT %*		0.050 \pm 0.050		0.190 \pm 0.100		0.430 \pm 0.200	
	PDW*		15.8 \pm 3.0		15.9 \pm 3.0		16.0 \pm 3.0	
BC-5300,BC-5100	WBC $\times 10^9/L$		3.20 \pm 0.50		7.75 \pm 1.00		17.30 \pm 2.50	
BC-5380,BC-5180	Neu# $\times 10^9/L$		1.74 \pm 0.30		4.69 \pm 0.65		12.02 \pm 1.40	
QC Mode	Lym# $\times 10^9/L$		1.17 \pm 0.30		2.05 \pm 0.65		3.11 \pm 1.40	
(Software version 1.24.00.16860 or higher)	Mon# $\times 10^9/L$		0.11 \pm 0.10		0.35 \pm 0.32		0.52 \pm 0.44	
	Eos# $\times 10^9/L$		0.18 \pm 0.17		0.66 \pm 0.55		1.64 \pm 1.25	
	Bas# $\times 10^9/L$		1.80 \pm 0.35		5.22 \pm 0.80		13.70 \pm 1.75	
	Neu%		54.5 \pm 9.0		60.5 \pm 8.0		69.5 \pm 8.0	
	Lym%		36.5 \pm 9.0		26.5 \pm 8.0		18.0 \pm 8.0	
	Mon%		3.5 \pm 3.0		4.5 \pm 4.0		3.0 \pm 2.5	
	Eos%		5.5 \pm 5.0		8.5 \pm 7.0		9.5 \pm 7.0	
	Bas%		56.4 \pm 10.0		67.3 \pm 10.0		79.2 \pm 10.0	
	RBC $\times 10^{12}/L$		2.04 \pm 0.18		4.20 \pm 0.24		5.19 \pm 0.30	
	HGB g/L		55 \pm 4		126 \pm 6		163 \pm 8	
	HCT %		17.2 \pm 1.5		40.1 \pm 2.0		52.9 \pm 2.4	
	MCV fL		84.5 \pm 5.0		95.5 \pm 5.0		102.0 \pm 5.0	
	MCH pg		27.0 \pm 2.5		30.0 \pm 2.5		31.4 \pm 2.5	
	MCHC g/L		319 \pm 30		314 \pm 30		308 \pm 30	
	RDW-CV %		14.0 \pm 3.0		14.0 \pm 3.0		13.0 \pm 3.0	
	RDW-SD fL		51.5 \pm 10.0		54.0 \pm 10.0		55.0 \pm 10.0	
	PLT $\times 10^9/L$		50 \pm 20		235 \pm 40		475 \pm 60	
	MPV fL		8.1 \pm 3.0		8.0 \pm 3.0		9.5 \pm 3.0	
	PCT %*		0.050 \pm 0.050		0.190 \pm 0.100		0.460 \pm 0.200	
	PDW*		15.5 \pm 3.0		15.5 \pm 3.0		16.0 \pm 3.0	

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BC1801B**2018-03-10**

Instrument	Parameter	Low		Normal		High		++++
		LOT	BC1801BL	LOT	BC1801BN	LOT	BC1801BH	
BC-5000,BC-5150,BC-5120	WBC ×10 ⁹ /L	3.30	± 0.50	7.75	± 1.00	17.30	± 2.50	
BC-5130,BC-5140,BC-5000VET	Neu# ×10 ⁹ /L	1.62	± 0.40	4.35	± 0.95	11.25	± 2.10	
QC Mode	Lym# ×10 ⁹ /L	1.22	± 0.30	2.00	± 0.65	2.91	± 1.25	
	Mon# ×10 ⁹ /L	0.25	± 0.25	0.71	± 0.71	1.28	± 1.28	
	Eos# ×10 ⁹ /L	0.17	± 0.17	0.59	± 0.59	1.59	± 1.59	
	Bas# ×10 ⁹ /L	0.03	± 0.03	0.10	± 0.10	0.28	± 0.28	
	Neu%	49.2	± 12.0	56.1	± 12.0	65.0	± 12.0	
	Lym%	37.1	± 9.0	25.8	± 8.0	16.8	± 7.0	
	Mon%	7.7	± 7.7	9.2	± 9.2	7.4	± 7.4	
	Eos%	5.1	± 5.1	7.6	± 7.6	9.2	± 9.2	
	Bas%	0.9	± 0.9	1.3	± 1.3	1.6	± 1.6	
	RBC ×10 ¹² /L	2.03	± 0.18	4.21	± 0.24	5.22	± 0.30	
	HGB g/L	54	± 4	126	± 6	167	± 8	
	HCT %	17.2	± 1.5	39.6	± 2.0	51.7	± 2.4	
	MCV fL	84.5	± 5.0	94.0	± 5.0	99.0	± 5.0	
	MCH pg	26.6	± 2.5	29.9	± 2.5	32.0	± 2.5	
	MCHC g/L	315	± 30	318	± 30	323	± 30	
	RDW-CV %	16.5	± 4.0	16.5	± 4.0	15.5	± 4.0	
	RDW-SD fL	53.5	± 10.0	55.5	± 10.0	55.0	± 10.0	
	PLT ×10 ⁹ /L	50	± 20	240	± 40	485	± 60	
	MPV fL	9.1	± 3.0	9.4	± 3.0	10.8	± 3.0	
	PCT %*	0.050	± 0.050	0.230	± 0.100	0.530	± 0.200	
	PDW*	15.0	± 3.0	16.0	± 3.0	16.0	± 3.0	
	P-LCC ×10 ⁹ /L**	15	± 15	53	± 25	150	± 35	
	P-LCR %**	21.0	± 10.0	23.0	± 10.0	31.0	± 10.0	
BC-5300Vet,BC-5100Vet	WBC ×10 ⁹ /L	3.20	± 0.50	7.80	± 1.00	17.60	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.73	± 0.30	4.70	± 0.65	12.21	± 1.45	
	Lym# ×10 ⁹ /L	1.17	± 0.30	2.07	± 0.65	3.13	± 1.45	
	Mon# ×10 ⁹ /L	0.11	± 0.10	0.37	± 0.31	0.56	± 0.53	
	Eos# ×10 ⁹ /L	0.18	± 0.17	0.65	± 0.47	1.69	± 1.45	
	Neu%	54.2	± 9.0	60.3	± 8.0	69.4	± 8.0	
	Lym%	36.7	± 9.0	26.6	± 8.0	17.8	± 8.0	
	Mon%	3.5	± 3.0	4.8	± 4.0	3.2	± 3.0	
	Eos%	5.6	± 5.0	8.3	± 6.0	9.6	± 8.0	
	RBC ×10 ¹² /L	2.04	± 0.18	4.17	± 0.24	5.16	± 0.30	
	HGB g/L	55	± 4	125	± 6	164	± 8	
	HCT %	17.7	± 1.5	41.1	± 2.0	54.2	± 2.4	
	MCV fL	86.8	± 5.0	98.5	± 5.0	105.0	± 5.0	
	MCH pg	27.0	± 2.5	30.0	± 2.5	31.8	± 2.5	
	MCHC g/L	311	± 30	304	± 30	303	± 30	
	RDW-CV %	14.3	± 3.0	13.8	± 3.0	12.8	± 3.0	
	RDW-SD fL	53.8	± 10.0	56.5	± 10.0	57.3	± 10.0	
	PLT ×10 ⁹ /L	50	± 20	232	± 40	468	± 60	
	MPV fL	7.8	± 3.0	7.9	± 3.0	9.3	± 3.0	
	PCT %*	0.050	± 0.050	0.190	± 0.100	0.430	± 0.200	
	PDW*	15.8	± 3.0	15.9	± 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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Mindray

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 81888998

Fax: +86 755 26582680

EC	REP
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Shanghai International Holding Corp. GmbH (Europe)

Eiffestraße 80 20537 Hamburg, Germany

Tel: 0049-40-2513175

Fax: 0049-40-255726