

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1809B**2018-11-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1809BL	LOT	BC1809BN	LOT	BC1809BH	
BC-5800,BC-5600	WBC $\times 10^9/L$	3.45	± 0.50	8.05	± 1.00	17.70	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.69	± 0.32	4.43	± 0.65	11.42	± 1.42	
	Lym# $\times 10^9/L$	1.28	± 0.32	2.42	± 0.65	3.45	± 1.42	
	Mon# $\times 10^9/L$	0.28	± 0.22	0.60	± 0.49	1.24	± 0.89	
	Eos# $\times 10^9/L$	0.17	± 0.14	0.52	± 0.41	1.42	± 1.07	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18	
	Neu%	49.0	± 9.0	55.0	± 8.0	64.5	± 8.0	
	Lym%	37.0	± 9.0	30.0	± 8.0	19.5	± 8.0	
	Mon%	8.0	± 6.0	7.5	± 6.0	7.0	± 5.0	
	Eos%	5.0	± 4.0	6.5	± 5.0	8.0	± 6.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	1.96	± 0.18	4.11	± 0.24	4.96	± 0.30	
	HGB g/L	59	± 4	134	± 6	173	± 8	
	HCT %	17.6	± 1.5	40.5	± 2.0	53.3	± 2.4	
	MCV fL	90.0	± 5.0	98.5	± 5.0	107.5	± 5.0	
	MCH pg	30.1	± 2.5	32.6	± 2.5	34.9	± 2.5	
	MCHC g/L	334	± 30	331	± 30	324	± 30	
	RDW-CV %	14.4	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	43.0	± 8.0	45.5	± 8.0	46.5	± 8.0	
	PLT $\times 10^9/L$	55	± 25	250	± 50	500	± 70	
	MPV fL	9.5	± 3.0	7.9	± 3.0	9.0	± 3.0	
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.445	± 0.200	
	PDW*	18.0	± 3.0	15.9	± 3.0	15.5	± 3.0	
	P-LCC $\times 10^9/L$	18	± 15	50	± 25	130	± 35	
	P-LCR %	35.0	± 10.0	20.5	± 10.0	26.0	± 10.0	
BC-5500,BC-5200	WBC $\times 10^9/L$	3.40	± 0.50	7.75	± 1.00	17.05	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.72	± 0.31	4.19	± 0.63	11.00	± 1.37	
	Lym# $\times 10^9/L$	1.22	± 0.31	2.36	± 0.62	3.32	± 1.37	
	Mon# $\times 10^9/L$	0.22	± 0.21	0.58	± 0.47	1.11	± 0.86	
	Eos# $\times 10^9/L$	0.20	± 0.17	0.54	± 0.39	1.45	± 1.20	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.17	± 0.17	
	Neu%	50.5	± 9.0	54.0	± 8.0	64.5	± 8.0	
	Lym%	36.0	± 9.0	30.5	± 8.0	19.5	± 8.0	
	Mon%	6.5	± 6.0	7.5	± 6.0	6.5	± 5.0	
	Eos%	6.0	± 5.0	7.0	± 5.0	8.5	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	1.95	± 0.18	4.09	± 0.24	4.92	± 0.30	
	HGB g/L	62	± 4	142	± 6	185	± 8	
	HCT %	16.8	± 1.5	38.0	± 2.0	50.2	± 2.4	
	MCV fL	86.0	± 5.0	93.0	± 5.0	102.0	± 5.0	
	MCH pg	31.8	± 2.5	34.7	± 2.5	37.6	± 2.5	
	MCHC g/L	370	± 30	373	± 30	369	± 30	
	RDW-CV %	11.5	± 3.0	11.5	± 3.0	10.5	± 3.0	
	RDW-SD fL	30.0	± 8.0	35.0	± 8.0	35.5	± 8.0	
	PLT $\times 10^9/L$	55	± 25	246	± 50	485	± 70	
	MPV fL	9.5	± 3.0	8.5	± 3.0	9.6	± 3.0	
	PCT %*	0.050	± 0.050	0.210	± 0.100	0.480	± 0.200	
	PDW*	18.9	± 3.0	16.4	± 3.0	16.1	± 3.0	

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BC1809B
2018-11-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC1809BL	LOT	BC1809BN	LOT	BC1809BH	
BC-5390	WBC $\times 10^9/L$	3.30	± 0.50	7.85	± 1.00	16.85	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.70	± 0.30	4.44	± 0.63	11.21	± 1.52	
	Lym# $\times 10^9/L$	1.20	± 0.30	2.32	± 0.63	3.12	± 1.19	
	Mon# $\times 10^9/L$	0.20	± 0.17	0.51	± 0.40	1.01	± 0.85	
	Eos# $\times 10^9/L$	0.19	± 0.14	0.59	± 0.48	1.52	± 1.19	
	Bas# $\times 10^9/L$	0.78	± 0.34	2.20	± 0.79	5.17	± 1.69	
	Neu%	51.5	± 9.0	56.5	± 8.0	66.5	± 9.0	
	Lym%	36.5	± 9.0	29.5	± 8.0	18.5	± 7.0	
	Mon%	6.2	± 5.0	6.5	± 5.0	6.0	± 5.0	
	Eos%	5.8	± 4.0	7.5	± 6.0	9.0	± 7.0	
	Bas%	23.6	± 10.0	28.0	± 10.0	30.7	± 10.0	
	RBC $\times 10^{12}/L$	1.89	± 0.18	4.06	± 0.24	4.90	± 0.30	
	HGB g/L	53	± 4	124	± 6	161	± 8	
	HCT %	16.5	± 1.5	38.4	± 2.0	50.7	± 2.4	
	MCV fL	87.5	± 5.0	94.5	± 5.0	103.5	± 5.0	
	MCH pg	28.0	± 2.5	30.5	± 2.5	32.9	± 2.5	
	MCHC g/L	320	± 30	323	± 30	317	± 30	
	RDW-CV %	13.5	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	45.0	± 8.0	47.0	± 8.0	49.0	± 8.0	
	PLT $\times 10^9/L$	56	± 25	237	± 50	492	± 70	
	MPV fL	12.7	± 3.0	10.9	± 3.0	11.5	± 3.0	
BC-5390 CRP	WBC $\times 10^9/L$	3.30	± 0.50	7.80	± 1.00	17.10	± 2.50	
QC Mode	Neu# $\times 10^9/L$	1.72	± 0.30	4.45	± 0.63	11.37	± 1.54	
	Lym# $\times 10^9/L$	1.16	± 0.30	2.26	± 0.63	3.16	± 1.20	
	Mon# $\times 10^9/L$	0.23	± 0.17	0.51	± 0.40	1.62	± 1.37	
	Eos# $\times 10^9/L$	0.20	± 0.17	0.59	± 0.48	0.94	± 0.69	
	Bas# $\times 10^9/L$	0.81	± 0.34	2.11	± 0.79	5.30	± 1.71	
	Neu%	52.0	± 9.0	57.0	± 8.0	66.5	± 9.0	
	Lym%	35.0	± 9.0	29.0	± 8.0	18.5	± 7.0	
	Mon%	7.0	± 5.0	6.5	± 5.0	9.5	± 8.0	
	Eos%	6.0	± 5.0	7.5	± 6.0	5.5	± 4.0	
	Bas%	24.5	± 10.0	27.0	± 10.0	31.0	± 10.0	
	RBC $\times 10^{12}/L$	1.92	± 0.18	4.09	± 0.24	4.92	± 0.30	
	HGB g/L	56	± 4	125	± 6	163	± 8	
	HCT %	16.5	± 1.5	39.1	± 2.0	51.4	± 2.4	
	MCV fL	86.0	± 5.0	95.5	± 5.0	104.5	± 5.0	
	MCH pg	29.2	± 2.5	30.6	± 2.5	33.1	± 2.5	
	MCHC g/L	339	± 30	320	± 30	317	± 30	
	RDW-CV %	14.4	± 3.0	14.0	± 3.0	13.5	± 3.0	
	RDW-SD fL	43.0	± 8.0	46.5	± 8.0	48.0	± 8.0	
	PLT $\times 10^9/L$	50	± 25	235	± 50	480	± 70	
	MPV fL	9.9	± 3.0	8.1	± 3.0	9.1	± 3.0	
	PCT %*	0.050	± 0.050	0.190	± 0.100	0.430	± 0.200	
	PDW*	17.1	± 3.0	15.9	± 3.0	15.6	± 3.0	
	P-LCC $\times 10^9/L$	17	± 15	46	± 25	115	± 35	
	P-LCR %	34.0	± 10.0	19.5	± 10.0	24.0	± 10.0	

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Instrument	Parameter	Low		Normal		High		+++
		LOT	BC1809BL	LOT	BC1809BN	LOT	BC1809BH	
BC-5300,BC-5100	WBC ×10 ⁹ /L		3.35 ± 0.50		7.90 ± 1.00		17.45 ± 2.50	
BC-5380,BC-5180	Neu# ×10 ⁹ /L		1.80 ± 0.31		4.58 ± 0.64		11.78 ± 1.40	
QC Mode	Lym# ×10 ⁹ /L		1.18 ± 0.31		2.29 ± 0.64		3.14 ± 1.40	
(Software version lower than 1.24.00.16860)	Mon# ×10 ⁹ /L		0.17 ± 0.14		0.40 ± 0.33		0.87 ± 0.70	
	Eos# ×10 ⁹ /L		0.20 ± 0.17		0.63 ± 0.48		1.66 ± 1.40	
	Bas# ×10 ⁹ /L		1.68 ± 0.34		5.37 ± 0.79		13.44 ± 1.75	
	Neu%		53.8 ± 9.0		58.0 ± 8.0		67.5 ± 8.0	
	Lym%		35.2 ± 9.0		29.0 ± 8.0		18.0 ± 8.0	
	Mon%		5.0 ± 4.0		5.0 ± 4.0		5.0 ± 4.0	
	Eos%		6.0 ± 5.0		8.0 ± 6.0		9.5 ± 8.0	
	Bas%		50.0 ± 10.0		68.0 ± 10.0		77.0 ± 10.0	
	RBC ×10 ¹² /L		1.91 ± 0.18		4.06 ± 0.24		4.95 ± 0.30	
	HGB g/L		55 ± 4		125 ± 6		163 ± 8	
	HCT %		17.8 ± 1.5		41.4 ± 2.0		54.5 ± 2.4	
	MCV fL		93.2 ± 5.0		102.0 ± 5.0		110.0 ± 5.0	
	MCH pg		28.8 ± 2.5		30.8 ± 2.5		32.9 ± 2.5	
	MCHC g/L		309 ± 30		302 ± 30		299 ± 30	
	RDW-CV %		14.0 ± 3.0		14.0 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		56.5 ± 8.0		60.2 ± 8.0		61.5 ± 8.0	
	PLT ×10 ⁹ /L		55 ± 25		235 ± 50		482 ± 70	
	MPV fL		10.0 ± 3.0		8.3 ± 3.0		9.0 ± 3.0	
	PCT %*		0.050 ± 0.050		0.193 ± 0.100		0.435 ± 0.200	
	PDW*		17.6 ± 3.0		16.0 ± 3.0		15.7 ± 3.0	
BC-5300,BC-5100	WBC ×10 ⁹ /L		3.30 ± 0.50		7.75 ± 1.00		16.90 ± 2.50	
BC-5380,BC-5180	Neu# ×10 ⁹ /L		1.78 ± 0.30		4.50 ± 0.63		11.41 ± 1.36	
QC Mode	Lym# ×10 ⁹ /L		1.17 ± 0.30		2.29 ± 0.63		3.04 ± 1.36	
(Software version 1.24.00.16860 or higher)	Mon# ×10 ⁹ /L		0.15 ± 0.14		0.39 ± 0.32		0.85 ± 0.69	
	Eos# ×10 ⁹ /L		0.20 ± 0.17		0.58 ± 0.47		1.61 ± 1.36	
	Bas# ×10 ⁹ /L		1.80 ± 0.34		5.43 ± 0.78		13.17 ± 1.70	
	Neu%		54.0 ± 9.0		58.0 ± 8.0		67.5 ± 8.0	
	Lym%		35.5 ± 9.0		29.5 ± 8.0		18.0 ± 8.0	
	Mon%		4.5 ± 4.0		5.0 ± 4.0		5.0 ± 4.0	
	Eos%		6.0 ± 5.0		7.5 ± 6.0		9.5 ± 8.0	
	Bas%		54.4 ± 10.0		70.0 ± 10.0		77.9 ± 10.0	
	RBC ×10 ¹² /L		1.91 ± 0.18		4.06 ± 0.24		4.92 ± 0.30	
	HGB g/L		55 ± 4		125 ± 6		162 ± 8	
	HCT %		17.1 ± 1.5		39.8 ± 2.0		52.4 ± 2.4	
	MCV fL		89.5 ± 5.0		98.0 ± 5.0		106.5 ± 5.0	
	MCH pg		28.8 ± 2.5		30.8 ± 2.5		32.9 ± 2.5	
	MCHC g/L		322 ± 30		314 ± 30		309 ± 30	
	RDW-CV %		14.0 ± 3.0		14.0 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		52.0 ± 8.0		55.5 ± 8.0		56.5 ± 8.0	
	PLT ×10 ⁹ /L		54 ± 25		236 ± 50		486 ± 70	
	MPV fL		10.1 ± 3.0		8.4 ± 3.0		9.3 ± 3.0	
	PCT %*		0.050 ± 0.050		0.195 ± 0.100		0.445 ± 0.200	
	PDW*		17.0 ± 3.0		15.7 ± 3.0		15.7 ± 3.0	

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Instrument	Parameter	Low		Normal		High		++++
		LOT	BC1809BL	LOT	BC1809BN	LOT	BC1809BH	
BC-5000,BC-5150,BC-5120	WBC ×10 ⁹ /L	3.35	± 0.50	7.70	± 1.00	16.95	± 2.50	
BC-5130,BC-5140,BC-5000VET	Neu# ×10 ⁹ /L	1.65	± 0.41	4.17	± 0.93	10.81	± 2.04	
QC Mode	Lym# ×10 ⁹ /L	1.18	± 0.31	2.20	± 0.62	2.93	± 1.19	
	Mon# ×10 ⁹ /L	0.29	± 0.29	0.68	± 0.68	1.46	± 1.46	
	Eos# ×10 ⁹ /L	0.19	± 0.19	0.55	± 0.55	1.49	± 1.49	
	Bas# ×10 ⁹ /L	0.03	± 0.03	0.09	± 0.09	0.25	± 0.25	
	Neu%	49.3	± 12.0	54.2	± 12.0	63.8	± 12.0	
	Lym%	35.2	± 9.0	28.6	± 8.0	17.3	± 7.0	
	Mon%	8.8	± 8.8	8.8	± 8.8	8.6	± 8.6	
	Eos%	5.8	± 5.8	7.2	± 7.2	8.8	± 8.8	
	Bas%	0.9	± 0.9	1.2	± 1.2	1.5	± 1.5	
	RBC ×10 ¹² /L	1.92	± 0.18	4.12	± 0.24	5.04	± 0.30	
	HGB g/L	55	± 4	127	± 6	168	± 8	
	HCT %	17.6	± 1.5	40.2	± 2.0	52.7	± 2.4	
	MCV fL	91.5	± 5.0	97.5	± 5.0	104.5	± 5.0	
	MCH pg	28.6	± 2.5	30.8	± 2.5	33.3	± 2.5	
	MCHC g/L	313	± 30	316	± 30	319	± 30	
	RDW-CV %	17.0	± 3.0	17.0	± 3.0	15.0	± 3.0	
	RDW-SD fL	56.5	± 8.0	60.0	± 8.0	58.0	± 8.0	
	PLT ×10 ⁹ /L	52	± 25	239	± 50	505	± 70	
	MPV fL	12.5	± 3.0	10.2	± 3.0	10.9	± 3.0	
	PCT %*	0.050	± 0.050	0.240	± 0.100	0.545	± 0.200	
	PDW*	16.2	± 3.0	15.8	± 3.0	15.9	± 3.0	
	P-LCC ×10 ⁹ /L**	22	± 15	63	± 25	152	± 35	
	P-LCR %**	43.0	± 10.0	26.5	± 10.0	30.0	± 10.0	
BC-5300Vet,BC-5100Vet	WBC ×10 ⁹ /L	3.35	± 0.50	7.90	± 1.00	17.45	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.80	± 0.31	4.58	± 0.64	11.78	± 1.40	
	Lym# ×10 ⁹ /L	1.18	± 0.31	2.29	± 0.64	3.14	± 1.40	
	Mon# ×10 ⁹ /L	0.17	± 0.14	0.40	± 0.33	0.87	± 0.70	
	Eos# ×10 ⁹ /L	0.20	± 0.17	0.63	± 0.48	1.66	± 1.40	
	Neu%	53.8	± 9.0	58.0	± 8.0	67.5	± 8.0	
	Lym%	35.2	± 9.0	29.0	± 8.0	18.0	± 8.0	
	Mon%	5.0	± 4.0	5.0	± 4.0	5.0	± 4.0	
	Eos%	6.0	± 5.0	8.0	± 6.0	9.5	± 8.0	
	RBC ×10 ¹² /L	1.91	± 0.18	4.06	± 0.24	4.95	± 0.30	
	HGB g/L	55	± 4	125	± 6	163	± 8	
	HCT %	17.8	± 1.5	41.4	± 2.0	54.5	± 2.4	
	MCV fL	93.2	± 5.0	102.0	± 5.0	110.0	± 5.0	
	MCH pg	28.8	± 2.5	30.8	± 2.5	32.9	± 2.5	
	MCHC g/L	309	± 30	302	± 30	299	± 30	
	RDW-CV %	14.0	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	56.5	± 8.0	60.2	± 8.0	61.5	± 8.0	
	PLT ×10 ⁹ /L	55	± 25	235	± 50	482	± 70	
	MPV fL	10.0	± 3.0	8.3	± 3.0	9.0	± 3.0	
	PCT %*	0.050	± 0.050	0.193	± 0.100	0.435	± 0.200	
	PDW*	17.6	± 3.0	16.0	± 3.0	15.7	± 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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