

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1711B**2018-01-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1711BL	LOT	BC1711BN	LOT	BC1711BH	
BC-5800,BC-5600	WBC ×10 ⁹ /L	3.40	± 0.50	7.90	± 1.00	17.55	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.62	± 0.35	4.50	± 0.65	11.41	± 1.45	
	Lym# ×10 ⁹ /L	1.36	± 0.35	2.21	± 0.65	3.25	± 1.45	
	Mon# ×10 ⁹ /L	0.24	± 0.21	0.59	± 0.52	1.32	± 1.15	
	Eos# ×10 ⁹ /L	0.15	± 0.14	0.51	± 0.44	1.40	± 1.05	
	Bas# ×10 ⁹ /L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18	
	Neu%	47.5	± 9.0	57.0	± 8.0	65.0	± 8.0	
	Lym%	40.0	± 9.0	28.0	± 8.0	18.5	± 8.0	
	Mon%	7.0	± 6.0	7.5	± 6.5	7.5	± 6.5	
	Eos%	4.5	± 4.0	6.5	± 5.5	8.0	± 6.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC ×10 ¹² /L	2.01	± 0.18	4.21	± 0.24	5.02	± 0.30	
	HGB g/L	59	± 4	130	± 6	167	± 8	
	HCT %	18.0	± 1.5	39.8	± 2.0	51.7	± 2.4	
	MCV fL	89.5	± 5.0	94.5	± 5.0	103.0	± 5.0	
	MCH pg	29.4	± 2.5	30.9	± 2.5	33.3	± 2.5	
	MCHC g/L	328	± 30	327	± 30	323	± 30	
	RDW-CV %	14.5	± 3.0	14.0	± 3.0	13.3	± 3.0	
	RDW-SD fL	44.5	± 8.0	44.5	± 8.0	45.0	± 8.0	
	PLT ×10 ⁹ /L	54	± 20	253	± 40	490	± 60	
	MPV fL	7.9	± 3.0	7.4	± 3.0	8.2	± 3.0	
	PCT %*	0.050	± 0.050	0.190	± 0.100	0.405	± 0.200	
	PDW*	16.2	± 3.0	16.0	± 3.0	15.9	± 3.0	
	P-LCC ×10 ⁹ /L	15	± 15	44	± 25	104	± 35	
	P-LCR %	19.0	± 10.0	17.5	± 10.0	21.5	± 10.0	
BC-5500,BC-5200	WBC ×10 ⁹ /L	3.45	± 0.50	7.65	± 1.00	17.10	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.64	± 0.35	4.40	± 0.65	11.03	± 1.40	
	Lym# ×10 ⁹ /L	1.35	± 0.35	2.07	± 0.65	3.08	± 1.40	
	Mon# ×10 ⁹ /L	0.22	± 0.19	0.50	± 0.43	1.28	± 1.11	
	Eos# ×10 ⁹ /L	0.21	± 0.18	0.61	± 0.46	1.54	± 1.20	
	Bas# ×10 ⁹ /L	0.03	± 0.03	0.08	± 0.08	0.17	± 0.17	
	Neu%	47.5	± 9.0	57.5	± 8.0	64.5	± 8.0	
	Lym%	39.0	± 9.0	27.0	± 8.0	18.0	± 8.0	
	Mon%	6.5	± 5.5	6.5	± 5.5	7.5	± 6.5	
	Eos%	6.0	± 5.0	8.0	± 6.0	9.0	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC ×10 ¹² /L	2.05	± 0.18	4.27	± 0.24	5.01	± 0.30	
	HGB g/L	63	± 4	139	± 6	179	± 8	
	HCT %	17.4	± 1.5	38.2	± 2.0	49.1	± 2.4	
	MCV fL	85.0	± 5.0	89.5	± 5.0	98.0	± 5.0	
	MCH pg	30.7	± 2.5	32.6	± 2.5	35.7	± 2.5	
	MCHC g/L	362	± 30	364	± 30	365	± 30	
	RDW-CV %	12.0	± 3.0	11.5	± 3.0	11.0	± 3.0	
	RDW-SD fL	30.0	± 8.0	35.0	± 8.0	36.0	± 8.0	
	PLT ×10 ⁹ /L	54	± 20	250	± 40	473	± 60	
	MPV fL	8.3	± 3.0	8.0	± 3.0	8.8	± 3.0	
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.420	± 0.200	
	PDW*	16.1	± 3.0	16.2	± 3.0	16.2	± 3.0	

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BC1711B
2018-01-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC1711BL	LOT	BC1711BN	LOT	BC1711BH	
BC-5390	WBC ×10 ⁹ /L	3.30	± 0.50	7.65	± 1.00	16.90	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.68	± 0.30	4.51	± 0.65	11.34	± 1.55	
	Lym# ×10 ⁹ /L	1.25	± 0.30	2.03	± 0.65	2.92	± 1.20	
	Mon# ×10 ⁹ /L	0.20	± 0.17	0.50	± 0.38	1.06	± 0.85	
	Eos# ×10 ⁹ /L	0.17	± 0.14	0.60	± 0.46	1.57	± 1.20	
	Bas# ×10 ⁹ /L	0.81	± 0.35	2.16	± 0.80	5.31	± 1.70	
	Neu%	50.9	± 9.0	59.0	± 8.0	67.1	± 9.0	
	Lym%	37.9	± 9.0	26.5	± 8.0	17.3	± 7.0	
	Mon%	6.2	± 5.0	6.6	± 5.0	6.3	± 5.0	
	Eos%	5.0	± 4.0	7.9	± 6.0	9.3	± 7.0	
	Bas%	24.6	± 10.0	28.2	± 10.0	31.4	± 10.0	
	RBC ×10 ¹² /L	1.95	± 0.18	4.17	± 0.24	5.00	± 0.30	
	HGB g/L	55	± 4	121	± 6	157	± 8	
	HCT %	17.1	± 1.5	37.9	± 2.0	49.8	± 2.4	
	MCV fL	87.5	± 5.0	91.0	± 5.0	99.5	± 5.0	
	MCH pg	28.2	± 2.5	29.0	± 2.5	31.4	± 2.5	
	MCHC g/L	322	± 30	319	± 30	316	± 30	
	RDW-CV %	13.5	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	45.5	± 8.0	46.5	± 8.0	47.0	± 8.0	
	PLT ×10 ⁹ /L	51	± 20	235	± 40	480	± 60	
	MPV fL	10.9	± 3.0	10.3	± 3.0	10.9	± 3.0	
BC-5390 CRP	WBC ×10 ⁹ /L	3.30	± 0.50	7.70	± 1.00	17.15	± 2.50	
QC Mode	Neu# ×10 ⁹ /L	1.65	± 0.30	4.58	± 0.65	11.49	± 1.55	
	Lym# ×10 ⁹ /L	1.27	± 0.30	2.04	± 0.65	2.92	± 1.25	
	Mon# ×10 ⁹ /L	0.21	± 0.18	0.50	± 0.43	1.11	± 0.94	
	Eos# ×10 ⁹ /L	0.17	± 0.14	0.58	± 0.47	1.63	± 1.40	
	Bas# ×10 ⁹ /L	0.82	± 0.35	2.16	± 0.80	5.39	± 1.75	
	Neu%	50.0	± 9.0	59.5	± 8.0	67.0	± 9.0	
	Lym%	38.5	± 9.0	26.5	± 8.0	17.0	± 7.0	
	Mon%	6.5	± 5.5	6.5	± 5.5	6.5	± 5.5	
	Eos%	5.0	± 4.0	7.5	± 6.0	9.5	± 8.0	
	Bas%	24.7	± 10.0	28.1	± 10.0	31.4	± 10.0	
	RBC ×10 ¹² /L	1.97	± 0.18	4.19	± 0.24	4.97	± 0.30	
	HGB g/L	56	± 4	122	± 6	157	± 8	
	HCT %	16.8	± 1.5	38.1	± 2.0	49.7	± 2.4	
	MCV fL	85.5	± 5.0	91.0	± 5.0	100.0	± 5.0	
	MCH pg	28.4	± 2.5	29.1	± 2.5	31.6	± 2.5	
	MCHC g/L	332	± 30	320	± 30	316	± 30	
	RDW-CV %	14.5	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	44.5	± 8.0	45.0	± 8.0	45.0	± 8.0	
	PLT ×10 ⁹ /L	47	± 20	231	± 40	463	± 60	
	MPV fL	8.3	± 3.0	7.7	± 3.0	8.3	± 3.0	
	PCT %*	0.050	± 0.050	0.180	± 0.100	0.380	± 0.200	
	PDW*	15.5	± 3.0	15.9	± 3.0	16.0	± 3.0	
	P-LCC ×10 ⁹ /L	15	± 15	35	± 25	82	± 35	
	P-LCR %	15.0	± 10.0	15.0	± 10.0	18.0	± 10.0	

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Instrument	Parameter	Low		Normal		High		+++
		LOT	BC1711BL	LOT	BC1711BN	LOT	BC1711BH	
BC-5300,BC-5100	WBC ×10 ⁹ /L		3.35 ± 0.50		7.70 ± 1.00		17.30 ± 2.50	
BC-5380,BC-5180	Neu# ×10 ⁹ /L		1.79 ± 0.35		4.77 ± 0.65		11.90 ± 1.40	
QC Mode	Lym# ×10 ⁹ /L		1.21 ± 0.35		1.91 ± 0.65		2.77 ± 1.40	
(Software version lower than 1.24.00.16860)	Mon# ×10 ⁹ /L		0.15 ± 0.14		0.40 ± 0.31		0.90 ± 0.70	
	Eos# ×10 ⁹ /L		0.20 ± 0.17		0.62 ± 0.47		1.73 ± 1.40	
	Bas# ×10 ⁹ /L		1.86 ± 0.35		5.14 ± 0.80		13.63 ± 1.75	
	Neu%		53.3 ± 9.0		62.0 ± 8.0		68.8 ± 8.0	
	Lym%		36.2 ± 9.0		24.8 ± 8.0		16.0 ± 8.0	
	Mon%		4.5 ± 4.0		5.2 ± 4.0		5.2 ± 4.0	
	Eos%		6.0 ± 5.0		8.0 ± 6.0		10.0 ± 8.0	
	Bas%		55.5 ± 10.0		66.8 ± 10.0		78.8 ± 10.0	
	RBC ×10 ¹² /L		1.95 ± 0.18		4.13 ± 0.24		4.98 ± 0.30	
	HGB g/L		56 ± 4		122 ± 6		157 ± 8	
	HCT %		18.2 ± 1.5		40.6 ± 2.0		52.9 ± 2.4	
	MCV fL		93.3 ± 5.0		98.3 ± 5.0		106.3 ± 5.0	
	MCH pg		28.7 ± 2.5		29.5 ± 2.5		31.5 ± 2.5	
	MCHC g/L		308 ± 30		301 ± 30		297 ± 30	
	RDW-CV %		14.3 ± 3.0		14.4 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		58.5 ± 8.0		58.5 ± 8.0		58.3 ± 8.0	
	PLT ×10 ⁹ /L		49 ± 20		232 ± 40		466 ± 60	
	MPV fL		8.3 ± 3.0		7.9 ± 3.0		8.4 ± 3.0	
	PCT %*		0.050 ± 0.050		0.185 ± 0.100		0.400 ± 0.200	
	PDW*		15.9 ± 3.0		16.2 ± 3.0		16.1 ± 3.0	
BC-5300,BC-5100	WBC ×10 ⁹ /L		3.30 ± 0.50		7.70 ± 1.00		16.85 ± 2.50	
BC-5380,BC-5180	Neu# ×10 ⁹ /L		1.74 ± 0.30		4.82 ± 0.65		11.64 ± 1.35	
QC Mode	Lym# ×10 ⁹ /L		1.21 ± 0.30		1.87 ± 0.65		2.71 ± 1.35	
(Software version 1.24.00.16860 or higher)	Mon# ×10 ⁹ /L		0.15 ± 0.14		0.38 ± 0.32		0.84 ± 0.68	
	Eos# ×10 ⁹ /L		0.20 ± 0.17		0.63 ± 0.48		1.65 ± 1.20	
	Bas# ×10 ⁹ /L		1.89 ± 0.35		5.30 ± 0.80		13.45 ± 1.70	
	Neu%		52.8 ± 9.0		62.6 ± 8.0		69.1 ± 8.0	
	Lym%		36.6 ± 9.0		24.3 ± 8.0		16.1 ± 8.0	
	Mon%		4.4 ± 4.0		4.9 ± 4.0		5.0 ± 4.0	
	Eos%		6.2 ± 5.0		8.2 ± 6.0		9.8 ± 7.0	
	Bas%		57.3 ± 10.0		68.8 ± 10.0		79.8 ± 10.0	
	RBC ×10 ¹² /L		1.96 ± 0.18		4.17 ± 0.24		4.97 ± 0.30	
	HGB g/L		56 ± 4		123 ± 6		158 ± 8	
	HCT %		17.7 ± 1.5		39.6 ± 2.0		51.7 ± 2.4	
	MCV fL		90.5 ± 5.0		95.0 ± 5.0		104.0 ± 5.0	
	MCH pg		28.6 ± 2.5		29.5 ± 2.5		31.8 ± 2.5	
	MCHC g/L		316 ± 30		310 ± 30		306 ± 30	
	RDW-CV %		14.2 ± 3.0		14.0 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		54.5 ± 8.0		55.0 ± 8.0		55.0 ± 8.0	
	PLT ×10 ⁹ /L		50 ± 20		231 ± 40		466 ± 60	
	MPV fL		8.4 ± 3.0		7.9 ± 3.0		8.5 ± 3.0	
	PCT %*		0.050 ± 0.050		0.185 ± 0.100		0.400 ± 0.200	
	PDW*		15.4 ± 3.0		15.9 ± 3.0		16.0 ± 3.0	

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Instrument	Parameter	Low		Normal		High		++++
		LOT	BC1711BL	LOT	BC1711BN	LOT	BC1711BH	
BC-5000,BC-5150,BC-5120	WBC ×10 ⁹ /L		3.40 ± 0.50		7.70 ± 1.00		17.15 ± 2.50	
BC-5130,BC-5140,BC-5000VET	Neu# ×10 ⁹ /L		1.64 ± 0.45		4.42 ± 0.95		11.11 ± 2.10	
QC Mode	Lym# ×10 ⁹ /L		1.26 ± 0.35		1.89 ± 0.65		2.71 ± 1.25	
	Mon# ×10 ⁹ /L		0.30 ± 0.30		0.73 ± 0.73		1.54 ± 1.54	
	Eos# ×10 ⁹ /L		0.17 ± 0.17		0.56 ± 0.56		1.53 ± 1.53	
	Bas# ×10 ⁹ /L		0.03 ± 0.03		0.10 ± 0.10		0.26 ± 0.26	
	Neu%		48.2 ± 12.0		57.4 ± 12.0		64.8 ± 12.0	
	Lym%		37.2 ± 9.0		24.5 ± 8.0		15.8 ± 7.0	
	Mon%		8.7 ± 8.7		9.5 ± 9.5		9.0 ± 9.0	
	Eos%		5.1 ± 5.1		7.3 ± 7.3		8.9 ± 8.9	
	Bas%		0.8 ± 0.8		1.3 ± 1.3		1.5 ± 1.5	
	RBC ×10 ¹² /L		1.95 ± 0.18		4.21 ± 0.24		5.03 ± 0.30	
	HGB g/L		56 ± 4		124 ± 6		161 ± 8	
	HCT %		17.8 ± 1.5		39.6 ± 2.0		50.6 ± 2.4	
	MCV fL		91.5 ± 5.0		94.0 ± 5.0		100.5 ± 5.0	
	MCH pg		28.7 ± 2.5		29.5 ± 2.5		32.0 ± 2.5	
	MCHC g/L		314 ± 30		313 ± 30		318 ± 30	
	RDW-CV %		17.0 ± 3.0		17.0 ± 3.0		16.0 ± 3.0	
	RDW-SD fL		57.0 ± 8.0		57.0 ± 8.0		58.0 ± 8.0	
	PLT ×10 ⁹ /L		50 ± 20		244 ± 40		489 ± 60	
	MPV fL		10.3 ± 3.0		9.3 ± 3.0		9.8 ± 3.0	
	PCT %*		0.050 ± 0.050		0.230 ± 0.100		0.485 ± 0.200	
	PDW*		15.5 ± 3.0		16.0 ± 3.0		16.2 ± 3.0	
	P-LCC ×10 ⁹ /L**		15 ± 15		55 ± 25		123 ± 35	
	P-LCR %**		27.5 ± 10.0		22.0 ± 10.0		24.5 ± 10.0	
BC-5300Vet,BC-5100Vet	WBC ×10 ⁹ /L		3.35 ± 0.50		7.70 ± 1.00		17.30 ± 2.50	
QC Mode	Neu# ×10 ⁹ /L		1.79 ± 0.35		4.77 ± 0.65		11.90 ± 1.40	
	Lym# ×10 ⁹ /L		1.21 ± 0.35		1.91 ± 0.65		2.77 ± 1.40	
	Mon# ×10 ⁹ /L		0.15 ± 0.14		0.40 ± 0.31		0.90 ± 0.70	
	Eos# ×10 ⁹ /L		0.20 ± 0.17		0.62 ± 0.47		1.73 ± 1.40	
	Neu%		53.3 ± 9.0		62.0 ± 8.0		68.8 ± 8.0	
	Lym%		36.2 ± 9.0		24.8 ± 8.0		16.0 ± 8.0	
	Mon%		4.5 ± 4.0		5.2 ± 4.0		5.2 ± 4.0	
	Eos%		6.0 ± 5.0		8.0 ± 6.0		10.0 ± 8.0	
	RBC ×10 ¹² /L		1.95 ± 0.18		4.13 ± 0.24		4.98 ± 0.30	
	HGB g/L		56 ± 4		122 ± 6		157 ± 8	
	HCT %		18.2 ± 1.5		40.6 ± 2.0		52.9 ± 2.4	
	MCV fL		93.3 ± 5.0		98.3 ± 5.0		106.3 ± 5.0	
	MCH pg		28.7 ± 2.5		29.5 ± 2.5		31.5 ± 2.5	
	MCHC g/L		308 ± 30		301 ± 30		297 ± 30	
	RDW-CV %		14.3 ± 3.0		14.4 ± 3.0		13.0 ± 3.0	
	RDW-SD fL		58.5 ± 8.0		58.5 ± 8.0		58.3 ± 8.0	
	PLT ×10 ⁹ /L		49 ± 20		232 ± 40		466 ± 60	
	MPV fL		8.3 ± 3.0		7.9 ± 3.0		8.4 ± 3.0	
	PCT %*		0.050 ± 0.050		0.185 ± 0.100		0.400 ± 0.200	
	PDW*		15.9 ± 3.0		16.2 ± 3.0		16.1 ± 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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