

AS904 Rev.012

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

 **BC2611B**
**2027-01-10**

Instrument	Parameter		Low		Normal		High	
				BC2611BL		BC2611BN		BC2611BH
BC-5800, BC-5600 QC Mode	WBC	×10 ⁹ /L	3.46	± 0.50	7.65	± 1.00	18.12	± 2.50
	Neu#	×10 ⁹ /L	1.59	± 0.40	4.15	± 0.98	11.17	± 2.15
	Lym#	×10 ⁹ /L	1.46	± 0.40	2.59	± 0.75	4.02	± 1.60
	Mon#	×10 ⁹ /L	0.21	± 0.21	0.37	± 0.37	0.94	± 0.94
	Eos#	×10 ⁹ /L	0.17	± 0.17	0.46	± 0.46	1.81	± 1.40
	Bas#	×10 ⁹ /L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18
	Neu%	%	46.0	± 12.0	54.2	± 12.0	61.6	± 12.0
	Lym%	%	42.1	± 9.0	33.9	± 9.0	22.2	± 9.0
	Mon%	%	6.0	± 5.0	4.9	± 4.9	5.2	± 5.2
	Eos%	%	4.9	± 4.9	6.0	± 6.0	10.0	± 8.0
	Bas%	%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC	×10 ¹² /L	2.28	± 0.18	4.10	± 0.24	4.98	± 0.30
	HGB	g/L	65	± 4	129	± 6	168	± 8
	HCT	%	19.7	± 2.0	38.9	± 3.0	52.0	± 4.0
	MCV	fL	86.6	± 5.0	94.9	± 5.0	104.5	± 5.0
	MCH	pg	28.5	± 2.5	31.5	± 2.5	33.7	± 2.5
	MCHC	g/L	329	± 30	332	± 30	323	± 30
	RDW-CV	%	17.0	± 3.0	14.3	± 3.0	13.7	± 3.0
	RDW-SD	fL	51.2	± 10.0	49.6	± 10.0	52.2	± 12.0
	PLT	×10 ⁹ /L	55	± 20	252	± 40	517	± 60
	MPV	fL	7.8	± 3.0	8.6	± 3.0	8.6	± 3.0
	PCT*	%	0.043	± 0.043	0.217	± 0.100	0.445	± 0.200
	PDW*	/	15.2	± 3.0	15.8	± 3.0	15.8	± 3.0
	P-LCC**	×10 ⁹ /L	8	± 8	55	± 25	104	± 35
	P-LCR**	%	14.4	± 10.0	21.7	± 10.0	20.1	± 10.0
BC-5390 CRP BC-5310 CRP QC Mode	WBC	×10 ⁹ /L	3.20	± 0.50	7.55	± 1.00	17.51	± 2.50
	Neu#	×10 ⁹ /L	1.62	± 0.40	4.33	± 0.98	10.94	± 2.15
	Lym#	×10 ⁹ /L	1.24	± 0.40	2.42	± 0.75	3.73	± 1.60
	Mon#	×10 ⁹ /L	0.16	± 0.30	0.29	± 0.65	0.79	± 1.10
	Eos#	×10 ⁹ /L	0.18	± 0.20	0.51	± 0.65	2.05	± 1.40
	Bas#	×10 ⁹ /L	0.78	± 0.35	2.00	± 0.80	5.27	± 1.70
	Neu%	%	50.7	± 12.0	57.3	± 12.0	62.5	± 12.0
	Lym%	%	38.6	± 9.0	32.1	± 9.0	21.3	± 9.0
	Mon%	%	5.1	± 5.0	3.8	± 6.0	4.5	± 6.0
	Eos%	%	5.6	± 5.5	6.8	± 6.5	11.7	± 8.0
	Bas%	%	24.3	± 10.0	26.5	± 10.0	30.1	± 10.0
	RBC	×10 ¹² /L	2.23	± 0.18	4.05	± 0.24	4.92	± 0.30
	HGB	g/L	60	± 4	119	± 6	157	± 8
	HCT	%	19.0	± 2.0	37.8	± 3.0	50.8	± 4.0
	MCV	fL	85.2	± 5.0	93.3	± 5.0	103.2	± 5.0
	MCH	pg	26.9	± 2.5	29.4	± 2.5	31.9	± 2.5
	MCHC	g/L	316	± 30	315	± 30	309	± 30
	RDW-CV	%	17.3	± 3.0	14.9	± 3.0	14.0	± 3.0
	RDW-SD	fL	50.9	± 10.0	48.5	± 10.0	51.2	± 12.0
	PLT	×10 ⁹ /L	49	± 20	239	± 40	500	± 60
	MPV	fL	8.9	± 3.0	9.4	± 3.0	9.1	± 3.0
	PCT*	%	0.044	± 0.050	0.225	± 0.100	0.455	± 0.200
	PDW*	/	15.0	± 3.0	16.0	± 3.0	16.0	± 3.0
	P-LCC**	×10 ⁹ /L	8	± 15	51	± 25	101	± 35
	P-LCR**	%	15.5	± 10.0	21.4	± 10.0	20.2	± 10.0

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ASSAY VALUES AND EXPECTED RANGES

LOT

 BC2611B


2027-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	BC2611BL	LOT	BC2611BN	LOT	BC2611BH
BC-5300, BC-5100 BC-5380, BC-5180 QC Mode	WBC	×10 ⁹ /L	3.21 ± 0.50		7.50 ± 1.00		17.39 ± 2.50
	Neu#	×10 ⁹ /L	1.68 ± 0.40		4.34 ± 0.98		11.21 ± 2.15
	Lym#	×10 ⁹ /L	1.26 ± 0.40		2.43 ± 0.75		3.58 ± 1.60
	Mon#	×10 ⁹ /L	0.08 ± 0.30		0.17 ± 0.65		0.43 ± 1.10
	Eos#	×10 ⁹ /L	0.19 ± 0.20		0.56 ± 0.65		2.17 ± 1.40
	Bas#	×10 ⁹ /L	1.76 ± 0.35		4.79 ± 0.80		13.25 ± 1.70
	Neu%	%	52.4 ± 12.0		57.8 ± 12.0		64.4 ± 12.0
	Lym%	%	39.1 ± 9.0		32.4 ± 9.0		20.6 ± 9.0
	Mon%	%	2.5 ± 5.0		2.3 ± 6.0		2.5 ± 6.0
	Eos%	%	6.0 ± 5.5		7.5 ± 6.5		12.5 ± 8.0
	Bas%	%	54.7 ± 10.0		63.8 ± 10.0		76.2 ± 10.0
	RBC	×10 ¹² /L	2.25 ± 0.18		4.06 ± 0.24		4.93 ± 0.30
	HGB	g/L	60 ± 4		119 ± 6		156 ± 8
	HCT	%	19.4 ± 2.0		38.4 ± 3.0		51.5 ± 4.0
	MCV	fL	86.2 ± 5.0		94.7 ± 5.0		104.4 ± 5.0
	MCH	pg	26.7 ± 2.5		29.3 ± 2.5		31.6 ± 2.5
	MCHC	g/L	309 ± 30		310 ± 30		303 ± 30
	RDW-CV	%	17.2 ± 3.0		14.6 ± 3.0		13.9 ± 3.0
	RDW-SD	fL	60.7 ± 10.0		57.9 ± 10.0		60.3 ± 12.0
	PLT	×10 ⁹ /L	51 ± 20		247 ± 40		503 ± 60
	MPV	fL	8.3 ± 3.0		8.9 ± 3.0		8.7 ± 3.0
	PCT*	%	0.042 ± 0.050		0.220 ± 0.100		0.438 ± 0.200
	PDW*	/	15.1 ± 3.0		16.0 ± 3.0		16.0 ± 3.0
BC-5000, BC-5150, Counter 29, BC-5120, BC-5130, BC- 5140, BC-5000VET QC Mode	WBC	×10 ⁹ /L	3.45 ± 0.50		7.61 ± 1.00		17.79 ± 2.50
	Neu#	×10 ⁹ /L	1.62 ± 0.40		4.22 ± 0.98		10.86 ± 2.15
	Lym#	×10 ⁹ /L	1.39 ± 0.40		2.42 ± 0.75		3.56 ± 1.60
	Mon#	×10 ⁹ /L	0.21 ± 0.21		0.37 ± 0.37		0.96 ± 0.96
	Eos#	×10 ⁹ /L	0.20 ± 0.20		0.52 ± 0.52		2.05 ± 1.40
	Bas#	×10 ⁹ /L	0.03 ± 0.03		0.08 ± 0.08		0.36 ± 0.36
	Neu%	%	46.8 ± 12.0		55.5 ± 12.0		61.1 ± 12.0
	Lym%	%	40.4 ± 9.0		31.8 ± 9.0		20.0 ± 9.0
	Mon%	%	6.0 ± 5.0		4.9 ± 4.9		5.4 ± 5.4
	Eos%	%	5.8 ± 5.5		6.8 ± 6.5		11.5 ± 8.0
	Bas%	%	1.0 ± 1.0		1.0 ± 1.0		2.0 ± 2.0
	RBC	×10 ¹² /L	2.27 ± 0.18		4.15 ± 0.24		5.07 ± 0.30
	HGB	g/L	61 ± 4		122 ± 6		162 ± 8
	HCT	%	19.4 ± 2.0		38.6 ± 3.0		50.9 ± 4.0
	MCV	fL	85.5 ± 5.0		92.9 ± 5.0		100.3 ± 5.0
	MCH	pg	26.9 ± 2.5		29.4 ± 2.5		32.0 ± 2.5
	MCHC	g/L	314 ± 30		316 ± 30		319 ± 30
	RDW-CV	%	20.6 ± 3.0		17.4 ± 3.0		16.6 ± 3.0
	RDW-SD	fL	63.1 ± 10.0		58.5 ± 10.0		59.8 ± 12.0
	PLT	×10 ⁹ /L	53 ± 20		250 ± 40		527 ± 60
	MPV	fL	10.3 ± 3.0		10.8 ± 3.0		10.5 ± 3.0
	PCT*	%	0.055 ± 0.050		0.270 ± 0.100		0.553 ± 0.200
	PDW*	/	15.0 ± 3.0		16.0 ± 3.0		16.1 ± 3.0
	P-LCC**	×10 ⁹ /L	15 ± 15		79 ± 25		149 ± 35
	P-LCR**	%	28.4 ± 10.0		31.4 ± 10.0		28.3 ± 10.0

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BC-5D

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LOT BC2611B

2027-01-10

Instrument	Parameter	Low		Normal		High	
		LOT	BC2611BL	LOT	BC2611BN	LOT	BC2611BH
BC-5390, Counter 31 AL QC Mode	WBC	×10 ⁹ /L	3.20 ± 0.50		7.50 ± 1.00		17.50 ± 2.50
	Neu#	×10 ⁹ /L	1.58 ± 0.40		4.28 ± 0.98		10.94 ± 2.15
	Lym#	×10 ⁹ /L	1.28 ± 0.40		2.36 ± 0.75		3.68 ± 1.60
	Mon#	×10 ⁹ /L	0.14 ± 0.30		0.34 ± 0.65		0.88 ± 1.10
	Eos#	×10 ⁹ /L	0.19 ± 0.20		0.53 ± 0.65		2.01 ± 1.40
	Bas#	×10 ⁹ /L	0.77 ± 0.35		1.99 ± 0.80		5.25 ± 1.70
	Neu%	%	49.5 ± 12.0		57.0 ± 12.0		62.5 ± 12.0
	Lym%	%	40.0 ± 9.0		31.5 ± 9.0		21.0 ± 9.0
	Mon%	%	4.5 ± 5.0		4.5 ± 6.0		5.0 ± 6.0
	Eos%	%	6.0 ± 5.5		7.0 ± 6.5		11.5 ± 8.0
	Bas%	%	24.0 ± 10.0		26.5 ± 10.0		30.0 ± 10.0
	RBC	×10 ¹² /L	2.21 ± 0.18		4.03 ± 0.24		4.95 ± 0.30
	HGB	g/L	59 ± 4		118 ± 6		156 ± 8
	HCT	%	18.9 ± 2.0		37.5 ± 3.0		50.0 ± 4.0
	MCV	fL	85.5 ± 5.0		93.0 ± 5.0		101.0 ± 5.0
	MCH	pg	26.7 ± 2.5		29.3 ± 2.5		31.5 ± 2.5
	MCHC	g/L	312 ± 30		315 ± 30		312 ± 30
	RDW-CV	%	16.5 ± 3.0		14.0 ± 3.0		13.5 ± 3.0
	RDW-SD	fL	52.0 ± 10.0		48.5 ± 10.0		50.0 ± 12.0
	PLT	×10 ⁹ /L	55 ± 20		249 ± 40		510 ± 60
	MPV	fL	10.7 ± 3.0		11.6 ± 3.0		11.3 ± 3.0
BC-5300Vet, BC-5100Vet QC Mode	WBC	×10 ⁹ /L	3.21 ± 0.50		7.50 ± 1.00		17.39 ± 2.50
	Neu#	×10 ⁹ /L	1.68 ± 0.40		4.34 ± 0.98		11.21 ± 2.15
	Lym#	×10 ⁹ /L	1.26 ± 0.40		2.43 ± 0.75		3.58 ± 1.60
	Mon#	×10 ⁹ /L	0.08 ± 0.30		0.17 ± 0.65		0.43 ± 1.10
	Eos#	×10 ⁹ /L	0.19 ± 0.20		0.56 ± 0.65		2.17 ± 1.40
	Neu%	%	52.4 ± 12.0		57.8 ± 12.0		64.4 ± 12.0
	Lym%	%	39.1 ± 9.0		32.4 ± 9.0		20.6 ± 9.0
	Mon%	%	2.5 ± 5.0		2.3 ± 6.0		2.5 ± 6.0
	Eos%	%	6.0 ± 5.5		7.5 ± 6.5		12.5 ± 8.0
	RBC	×10 ¹² /L	2.25 ± 0.18		4.06 ± 0.24		4.93 ± 0.30
	HGB	g/L	60 ± 4		119 ± 6		156 ± 8
	HCT	%	19.4 ± 2.0		38.4 ± 3.0		51.5 ± 4.0
	MCV	fL	86.2 ± 5.0		94.7 ± 5.0		104.4 ± 5.0
	MCH	pg	26.7 ± 2.5		29.3 ± 2.5		31.6 ± 2.5
	MCHC	g/L	309 ± 30		310 ± 30		303 ± 30
	RDW-CV	%	17.2 ± 3.0		14.6 ± 3.0		13.9 ± 3.0
	RDW-SD	fL	60.7 ± 10.0		57.9 ± 10.0		60.3 ± 12.0
	PLT	×10 ⁹ /L	51 ± 20		247 ± 40		503 ± 60
	MPV	fL	8.3 ± 3.0		8.9 ± 3.0		8.7 ± 3.0
	PCT*	%	0.042 ± 0.050		0.220 ± 0.100		0.438 ± 0.200
	PDW*	/	15.1 ± 3.0		16.0 ± 3.0		16.0 ± 3.0

* For Research Use Only

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

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