

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1811B



2019-01-10

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1811BL	LOT	BC1811BN	LOT	BC1811BH	
BC-5800,BC-5600 QC Mode	WBC $\times 10^9/L$	3.40	± 0.50	7.90	± 1.00	18.20	± 2.50	
	Neu# $\times 10^9/L$	1.67	± 0.31	4.31	± 0.64	11.47	± 1.46	
	Lym# $\times 10^9/L$	1.29	± 0.31	2.37	± 0.64	3.64	± 1.46	
	Mon# $\times 10^9/L$	0.24	± 0.21	0.59	± 0.48	1.27	± 1.09	
	Eos# $\times 10^9/L$	0.17	± 0.14	0.55	± 0.48	1.64	± 1.28	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18	
	Neu%	49.0	± 9.0	54.5	± 8.0	63.0	± 8.0	
	Lym%	38.0	± 9.0	30.0	± 8.0	20.0	± 8.0	
	Mon%	7.0	± 6.0	7.5	± 6.0	7.0	± 6.0	
	Eos%	5.0	± 4.0	7.0	± 6.0	9.0	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	2.19	± 0.18	4.17	± 0.24	4.88	± 0.30	
	HGB g/L	65	± 4	133	± 6	168	± 8	
	HCT %	19.5	± 1.5	39.8	± 2.0	51.5	± 2.4	
	MCV fL	89.0	± 5.0	95.5	± 5.0	105.5	± 5.0	
	MCH pg	29.7	± 2.5	31.9	± 2.5	34.4	± 2.5	
	MCHC g/L	333	± 30	334	± 30	326	± 30	
	RDW-CV %	15.0	± 3.0	14.0	± 3.0	14.0	± 4.0	
	RDW-SD fL	44.0	± 8.0	45.0	± 10.0	47.5	± 12.0	
	PLT $\times 10^9/L$	48	± 20	235	± 40	489	± 60	
	MPV fL	7.8	± 3.0	7.1	± 3.0	6.7	± 3.0	
	PCT %*	0.050	± 0.050	0.165	± 0.100	0.320	± 0.200	
	PDW*	16.6	± 3.0	15.8	± 3.0	15.1	± 3.0	
	P-LCC $\times 10^9/L$	15	± 15	35	± 25	47	± 35	
	P-LCR %	20.0	± 10.0	15.0	± 10.0	10.5	± 10.0	
BC-5500,BC-5200 QC Mode	WBC $\times 10^9/L$	3.30	± 0.50	7.60	± 1.00	17.65	± 2.50	
	Neu# $\times 10^9/L$	1.62	± 0.30	4.14	± 0.61	10.77	± 1.42	
	Lym# $\times 10^9/L$	1.22	± 0.30	2.28	± 0.61	3.53	± 1.42	
	Mon# $\times 10^9/L$	0.23	± 0.20	0.53	± 0.46	1.50	± 1.24	
	Eos# $\times 10^9/L$	0.20	± 0.17	0.57	± 0.46	1.68	± 1.24	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18	
	Neu%	49.0	± 9.0	54.5	± 8.0	61.0	± 8.0	
	Lym%	37.0	± 9.0	30.0	± 8.0	20.0	± 8.0	
	Mon%	7.0	± 6.0	7.0	± 6.0	8.5	± 7.0	
	Eos%	6.0	± 5.0	7.5	± 6.0	9.5	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC $\times 10^{12}/L$	2.20	± 0.18	4.19	± 0.24	4.88	± 0.30	
	HGB g/L	69	± 4	142	± 6	180	± 8	
	HCT %	18.7	± 1.5	38.1	± 2.0	49.0	± 2.4	
	MCV fL	85.0	± 5.0	91.0	± 5.0	100.5	± 5.0	
	MCH pg	31.4	± 2.5	33.9	± 2.5	36.9	± 2.5	
	MCHC g/L	369	± 30	372	± 30	367	± 30	
	RDW-CV %	12.0	± 3.0	11.0	± 3.0	10.5	± 4.0	
	RDW-SD fL	30.0	± 8.0	34.0	± 10.0	35.0	± 12.0	
	PLT $\times 10^9/L$	44	± 20	234	± 40	483	± 60	
	MPV fL	8.4	± 3.0	7.8	± 3.0	7.2	± 3.0	
	PCT %*	0.050	± 0.050	0.185	± 0.100	0.350	± 0.200	
	PDW*	16.1	± 3.0	16.0	± 3.0	15.4	± 3.0	

* For Research Use Only

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES


BC1811B
2019-01-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC1811BL	LOT	BC1811BN	LOT	BC1811BH	
BC-5390 QC Mode	WBC $\times 10^9/L$	3.25	± 0.50	7.50	± 1.00	17.25	± 2.50	
	Neu# $\times 10^9/L$	1.74	± 0.30	4.16	± 0.60	11.13	± 1.56	
	Lym# $\times 10^9/L$	1.17	± 0.30	2.29	± 0.61	3.36	± 1.21	
	Mon# $\times 10^9/L$	0.18	± 0.17	0.45	± 0.38	1.04	± 0.87	
	Eos# $\times 10^9/L$	0.16	± 0.13	0.60	± 0.45	1.73	± 1.39	
	Bas# $\times 10^9/L$	0.81	± 0.33	2.03	± 0.76	5.28	± 1.73	
	Neu%	53.5	± 9.0	55.5	± 8.0	64.5	± 9.0	
	Lym%	36.0	± 9.0	30.5	± 8.0	19.5	± 7.0	
	Mon%	5.5	± 5.0	6.0	± 5.0	6.0	± 5.0	
	Eos%	5.0	± 4.0	8.0	± 6.0	10.0	± 8.0	
	Bas%	24.8	± 10.0	27.0	± 10.0	30.6	± 10.0	
	RBC $\times 10^{12}/L$	2.13	± 0.18	4.14	± 0.24	4.87	± 0.30	
	HGB g/L	59	± 4	123	± 6	156	± 8	
	HCT %	18.3	± 1.5	38.1	± 2.0	49.4	± 2.4	
	MCV fL	86.0	± 5.0	92.0	± 5.0	101.5	± 5.0	
	MCH pg	27.7	± 2.5	29.7	± 2.5	32.0	± 2.5	
	MCHC g/L	322	± 30	323	± 30	316	± 30	
	RDW-CV %	14.0	± 3.0	13.0	± 3.0	13.0	± 4.0	
	RDW-SD fL	46.5	± 8.0	47.5	± 10.0	49.5	± 12.0	
	PLT $\times 10^9/L$	49	± 20	223	± 40	460	± 60	
	MPV fL	10.3	± 3.0	9.9	± 3.0	9.3	± 3.0	
BC-5390 CRP QC Mode	WBC $\times 10^9/L$	3.25	± 0.50	7.65	± 1.00	17.60	± 2.50	
	Neu# $\times 10^9/L$	1.69	± 0.30	4.32	± 0.62	11.44	± 1.59	
	Lym# $\times 10^9/L$	1.17	± 0.30	2.22	± 0.62	3.34	± 1.24	
	Mon# $\times 10^9/L$	0.20	± 0.17	0.50	± 0.39	1.06	± 0.89	
	Eos# $\times 10^9/L$	0.20	± 0.17	0.61	± 0.46	1.76	± 1.41	
	Bas# $\times 10^9/L$	0.80	± 0.33	2.07	± 0.77	5.46	± 1.77	
	Neu%	52.0	± 9.0	56.5	± 8.0	65.0	± 9.0	
	Lym%	36.0	± 9.0	29.0	± 8.0	19.0	± 7.0	
	Mon%	6.0	± 5.0	6.5	± 5.0	6.0	± 5.0	
	Eos%	6.0	± 5.0	8.0	± 6.0	10.0	± 8.0	
	Bas%	24.5	± 10.0	27.0	± 10.0	31.0	± 10.0	
	RBC $\times 10^{12}/L$	2.15	± 0.18	4.15	± 0.24	4.85	± 0.30	
	HGB g/L	62	± 4	124	± 6	158	± 8	
	HCT %	18.3	± 1.5	38.4	± 2.0	49.7	± 2.4	
	MCV fL	85.0	± 5.0	92.5	± 5.0	102.5	± 5.0	
	MCH pg	28.8	± 2.5	29.9	± 2.5	32.6	± 2.5	
	MCHC g/L	339	± 30	323	± 30	318	± 30	
	RDW-CV %	15.0	± 3.0	14.0	± 3.0	14.5	± 4.0	
	RDW-SD fL	44.0	± 8.0	46.0	± 10.0	49.0	± 12.0	
	PLT $\times 10^9/L$	43	± 20	220	± 40	469	± 60	
	MPV fL	8.3	± 3.0	7.3	± 3.0	6.8	± 3.0	
	PCT %*	0.050	± 0.050	0.155	± 0.100	0.310	± 0.200	
	PDW*	15.5	± 3.0	15.8	± 3.0	15.1	± 3.0	
	P-LCC $\times 10^9/L$	15	± 15	35	± 25	47	± 35	
	P-LCR %	20.0	± 10.0	15.0	± 10.0	10.5	± 10.0	

* For Research Use Only

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1811B



2019-01-10

Instrument	Parameter	Low		Normal		High		+++
		LOT	BC1811BL	LOT	BC1811BN	LOT	BC1811BH	
BC-5300,BC-5100	WBC $\times 10^9/L$	3.30	± 0.50	7.60	± 1.00	17.75	± 2.50	
BC-5380,BC-5180	Neu# $\times 10^9/L$	1.73	± 0.30	4.39	± 0.61	11.77	± 1.43	
QC Mode	Lym# $\times 10^9/L$	1.19	± 0.30	2.20	± 0.61	3.28	± 1.42	
(Software version lower than 1.24.00.16860)	Mon# $\times 10^9/L$	0.18	± 0.17	0.40	± 0.31	0.89	± 0.72	
	Eos# $\times 10^9/L$	0.20	± 0.17	0.61	± 0.46	1.81	± 1.42	
	Bas# $\times 10^9/L$	1.78	± 0.33	4.88	± 0.77	13.65	± 1.78	
	Neu%	52.3	± 9.0	57.8	± 8.0	66.3	± 8.0	
	Lym%	36.2	± 9.0	29.0	± 8.0	18.5	± 8.0	
	Mon%	5.5	± 5.0	5.2	± 4.0	5.0	± 4.0	
	Eos%	6.0	± 5.0	8.0	± 6.0	10.2	± 8.0	
	Bas%	54.0	± 10.0	64.2	± 10.0	76.9	± 10.0	
	RBC $\times 10^{12}/L$	2.15	± 0.18	4.13	± 0.24	4.86	± 0.30	
	HGB g/L	61	± 4	124	± 6	157	± 8	
	HCT %	19.8	± 1.5	40.9	± 2.0	52.2	± 2.4	
	MCV fL	92.2	± 5.0	99.0	± 5.0	107.5	± 5.0	
	MCH pg	28.4	± 2.5	30.0	± 2.5	32.3	± 2.5	
	MCHC g/L	308	± 30	303	± 30	301	± 30	
	RDW-CV %	14.5	± 3.0	13.5	± 3.0	13.0	± 4.0	
	RDW-SD fL	57.5	± 8.0	58.5	± 10.0	59.5	± 12.0	
	PLT $\times 10^9/L$	45	± 20	222	± 40	465	± 60	
	MPV fL	8.3	± 3.0	7.7	± 3.0	7.0	± 3.0	
	PCT %*	0.050	± 0.050	0.165	± 0.100	0.320	± 0.200	
	PDW*	16.2	± 3.0	16.0	± 3.0	15.4	± 3.0	
BC-5300,BC-5100	WBC $\times 10^9/L$	3.30	± 0.50	7.65	± 1.00	17.50	± 2.50	
BC-5380,BC-5180	Neu# $\times 10^9/L$	1.77	± 0.30	4.40	± 0.62	11.55	± 1.40	
QC Mode	Lym# $\times 10^9/L$	1.20	± 0.30	2.22	± 0.62	3.33	± 1.41	
(Software version 1.24.00.16860 or higher)	Mon# $\times 10^9/L$	0.15	± 0.14	0.42	± 0.39	0.88	± 0.71	
	Eos# $\times 10^9/L$	0.18	± 0.17	0.61	± 0.46	1.75	± 1.40	
	Bas# $\times 10^9/L$	1.78	± 0.33	5.05	± 0.77	13.65	± 1.75	
	Neu%	53.5	± 9.0	57.5	± 8.0	66.0	± 8.0	
	Lym%	36.5	± 9.0	29.0	± 8.0	19.0	± 8.0	
	Mon%	4.5	± 4.0	5.5	± 5.0	5.0	± 4.0	
	Eos%	5.5	± 5.0	8.0	± 6.0	10.0	± 8.0	
	Bas%	54.0	± 10.0	66.0	± 10.0	78.0	± 10.0	
	RBC $\times 10^{12}/L$	2.15	± 0.18	4.14	± 0.24	4.84	± 0.30	
	HGB g/L	62	± 4	124	± 6	158	± 8	
	HCT %	19.1	± 1.5	39.5	± 2.0	50.8	± 2.4	
	MCV fL	89.0	± 5.0	95.5	± 5.0	105.0	± 5.0	
	MCH pg	28.8	± 2.5	30.0	± 2.5	32.6	± 2.5	
	MCHC g/L	324	± 30	314	± 30	311	± 30	
	RDW-CV %	15.0	± 3.0	14.0	± 3.0	14.0	± 4.0	
	RDW-SD fL	53.0	± 8.0	55.0	± 10.0	57.0	± 12.0	
	PLT $\times 10^9/L$	45	± 20	220	± 40	474	± 60	
	MPV fL	8.4	± 3.0	7.6	± 3.0	7.0	± 3.0	
	PCT %*	0.050	± 0.050	0.160	± 0.100	0.320	± 0.200	
	PDW*	15.6	± 3.0	15.6	± 3.0	15.3	± 3.0	

* For Research Use Only

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC1811B

2019-01-10



Instrument	Parameter	Low		Normal		High		++++
		LOT	BC1811BL	LOT	BC1811BN	LOT	BC1811BH	
BC-5000,BC-5150,BC-5120 BC-5130,BC-5140,BC-5000VET QC Mode	WBC $\times 10^9/L$	3.25	± 0.50	7.50	± 1.00	17.25	± 2.50	
	Neu# $\times 10^9/L$	1.60	± 0.40	4.07	± 0.90	10.73	± 2.08	
	Lym# $\times 10^9/L$	1.14	± 0.30	2.12	± 0.61	3.07	± 1.21	
	Mon# $\times 10^9/L$	0.31	± 0.31	0.68	± 0.68	1.45	± 1.45	
	Eos# $\times 10^9/L$	0.18	± 0.18	0.55	± 0.55	1.71	± 1.71	
	Bas# $\times 10^9/L$	0.03	± 0.03	0.09	± 0.09	0.29	± 0.29	
	Neu%	49.1	± 12.0	54.3	± 12.0	62.2	± 12.0	
	Lym%	35.0	± 9.0	28.2	± 8.0	17.8	± 7.0	
	Mon%	9.5	± 9.5	9.0	± 9.0	8.4	± 8.4	
	Eos%	5.5	± 5.5	7.3	± 7.3	9.9	± 9.9	
	Bas%	0.9	± 0.9	1.2	± 1.2	1.7	± 1.7	
	RBC $\times 10^{12}/L$	2.17	± 0.18	4.17	± 0.24	4.90	± 0.30	
	HGB g/L	60	± 4	126	± 6	162	± 8	
	HCT %	19.6	± 1.5	39.8	± 2.0	50.7	± 2.4	
	MCV fL	90.5	± 5.0	95.5	± 5.0	103.5	± 5.0	
	MCH pg	27.6	± 2.5	30.2	± 2.5	33.1	± 2.5	
	MCHC g/L	306	± 30	316	± 30	319	± 30	
	RDW-CV %	17.5	± 3.0	16.0	± 3.0	15.5	± 4.0	
	RDW-SD fL	56.0	± 8.0	58.0	± 10.0	59.0	± 12.0	
	PLT $\times 10^9/L$	42	± 20	228	± 40	491	± 60	
	MPV fL	10.1	± 3.0	9.0	± 3.0	8.4	± 3.0	
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.410	± 0.200	
	PDW*	15.5	± 3.0	15.7	± 3.0	15.6	± 3.0	
	P-LCC $\times 10^9/L$ **	15	± 15	47	± 25	72	± 35	
	P-LCR %**	28.0	± 10.0	21.0	± 10.0	15.5	± 10.0	
BC-5300Vet,BC-5100Vet QC Mode	WBC $\times 10^9/L$	3.30	± 0.50	7.60	± 1.00	17.75	± 2.50	
	Neu# $\times 10^9/L$	1.73	± 0.30	4.39	± 0.61	11.77	± 1.43	
	Lym# $\times 10^9/L$	1.19	± 0.30	2.20	± 0.61	3.28	± 1.42	
	Mon# $\times 10^9/L$	0.18	± 0.17	0.40	± 0.31	0.89	± 0.72	
	Eos# $\times 10^9/L$	0.20	± 0.17	0.61	± 0.46	1.81	± 1.42	
	Neu%	52.3	± 9.0	57.8	± 8.0	66.3	± 8.0	
	Lym%	36.2	± 9.0	29.0	± 8.0	18.5	± 8.0	
	Mon%	5.5	± 5.0	5.2	± 4.0	5.0	± 4.0	
	Eos%	6.0	± 5.0	8.0	± 6.0	10.2	± 8.0	
	RBC $\times 10^{12}/L$	2.15	± 0.18	4.13	± 0.24	4.86	± 0.30	
	HGB g/L	61	± 4	124	± 6	157	± 8	
	HCT %	19.8	± 1.5	40.9	± 2.0	52.2	± 2.4	
	MCV fL	92.2	± 5.0	99.0	± 5.0	107.5	± 5.0	
	MCH pg	28.4	± 2.5	30.0	± 2.5	32.3	± 2.5	
	MCHC g/L	308	± 30	303	± 30	301	± 30	
	RDW-CV %	14.5	± 3.0	13.5	± 3.0	13.0	± 4.0	
	RDW-SD fL	57.5	± 8.0	58.5	± 10.0	59.5	± 12.0	
	PLT $\times 10^9/L$	45	± 20	222	± 40	465	± 60	
	MPV fL	8.3	± 3.0	7.7	± 3.0	7.0	± 3.0	
	PCT %*	0.050	± 0.050	0.165	± 0.100	0.320	± 0.200	
	PDW*	16.2	± 3.0	16.0	± 3.0	15.4	± 3.0	

* For Research Use Only

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

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.



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

Shanghai International Holding Corp. GmbH (Europe)

Eiffestraße 80 20537 Hamburg, Germany

Tel: 0049-40-2513175

Fax: 0049-40-255726