

# BC-5D

## HEMATOLOGY CONTROLS

<b>CONTROL</b>
----------------

ASSAY VALUES AND EXPECTED RANGES


**BC1911B**  
**2020-01-10**

Instrument	Parameter	Low		Normal		High		+
		LOT	BC1911BL	LOT	BC1911BN	LOT	BC1911BH	
<b>BC-5800,BC-5600</b> <b>QC Mode</b>	WBC ×10 <sup>9</sup> /L	3.45	± 0.50	8.00	± 1.00	17.70	± 2.50	
	Neu# ×10 <sup>9</sup> /L	1.66	± 0.32	4.56	± 0.64	11.33	± 1.42	
	Lym# ×10 <sup>9</sup> /L	1.35	± 0.32	2.40	± 0.64	3.54	± 1.42	
	Mon# ×10 <sup>9</sup> /L	0.26	± 0.21	0.48	± 0.40	1.15	± 0.89	
	Eos# ×10 <sup>9</sup> /L	0.16	± 0.15	0.48	± 0.40	1.50	± 1.24	
	Bas# ×10 <sup>9</sup> /L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18	
	Neu%	48.0	± 9.0	57.0	± 8.0	64.0	± 8.0	
	Lym%	39.0	± 9.0	30.0	± 8.0	20.0	± 8.0	
	Mon%	7.5	± 6.0	6.0	± 5.0	6.5	± 5.0	
	Eos%	4.5	± 4.0	6.0	± 5.0	8.5	± 7.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC ×10 <sup>12</sup> /L	1.98	± 0.18	4.15	± 0.24	4.90	± 0.30	
	HGB g/L	56	± 4	133	± 6	165	± 8	
	HCT %	17.1	± 1.5	40.7	± 2.0	51.5	± 2.4	
	MCV fL	86.5	± 5.0	98.0	± 5.0	105.0	± 5.0	
	MCH pg	28.3	± 2.5	32.0	± 2.5	33.7	± 2.5	
	MCHC g/L	327	± 30	327	± 30	321	± 30	
	RDW-CV %	15.5	± 3.0	14.0	± 3.0	13.0	± 3.0	
	RDW-SD fL	46.5	± 10.0	50.0	± 10.0	51.2	± 10.0	
	PLT ×10 <sup>9</sup> /L	48	± 20	250	± 40	479	± 60	
	MPV fL	7.2	± 3.0	8.7	± 3.0	8.3	± 3.0	
	PCT %*	0.050	± 0.050	0.220	± 0.100	0.395	± 0.200	
	PDW*	15.9	± 3.0	16.8	± 3.0	16.3	± 3.0	
P-LCC ×10 <sup>9</sup> /L	15	± 15	68	± 25	112	± 35		
P-LCR %	14.5	± 10.0	27.5	± 10.0	23.5	± 10.0		
<b>BC-5500,BC-5200</b> <b>QC Mode</b>	WBC ×10 <sup>9</sup> /L	3.35	± 0.50	7.70	± 1.00	17.00	± 2.50	
	Neu# ×10 <sup>9</sup> /L	1.68	± 0.31	4.43	± 0.62	10.71	± 1.36	
	Lym# ×10 <sup>9</sup> /L	1.27	± 0.31	2.27	± 0.62	3.40	± 1.36	
	Mon# ×10 <sup>9</sup> /L	0.18	± 0.17	0.39	± 0.32	1.11	± 0.86	
	Eos# ×10 <sup>9</sup> /L	0.18	± 0.17	0.54	± 0.47	1.62	± 1.37	
	Bas# ×10 <sup>9</sup> /L	0.03	± 0.03	0.08	± 0.08	0.17	± 0.17	
	Neu%	50.0	± 9.0	57.5	± 8.0	63.0	± 8.0	
	Lym%	38.0	± 9.0	29.5	± 8.0	20.0	± 8.0	
	Mon%	5.5	± 5.0	5.0	± 4.0	6.5	± 5.0	
	Eos%	5.5	± 5.0	7.0	± 6.0	9.5	± 8.0	
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0	
	RBC ×10 <sup>12</sup> /L	2.03	± 0.18	4.20	± 0.24	4.91	± 0.30	
	HGB g/L	61	± 4	145	± 6	179	± 8	
	HCT %	16.5	± 1.5	38.9	± 2.0	48.6	± 2.4	
	MCV fL	81.5	± 5.0	92.5	± 5.0	99.0	± 5.0	
	MCH pg	30.0	± 2.5	34.5	± 2.5	36.5	± 2.5	
	MCHC g/L	369	± 30	373	± 30	368	± 30	
	RDW-CV %	12.5	± 3.0	11.5	± 3.0	11.0	± 3.0	
	RDW-SD fL	31.5	± 8.0	35.0	± 8.0	37.0	± 8.0	
	PLT ×10 <sup>9</sup> /L	49	± 20	250	± 40	468	± 60	
	MPV fL	7.6	± 3.0	9.5	± 3.0	9.0	± 3.0	
	PCT %*	0.050	± 0.050	0.240	± 0.100	0.420	± 0.200	
	PDW*	16.1	± 3.0	17.2	± 3.0	16.7	± 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


**BC1911B**  
**2020-01-10**

Instrument	Parameter	Low		Normal		High		++
		LOT	BC1911BL	LOT	BC1911BN	LOT	BC1911BH	
<b>BC-5390</b>	WBC ×10 <sup>9</sup> /L	3.20	± 0.50	7.80	± 1.00	17.00	± 2.50	
<b>QC Mode</b>	Neu# ×10 <sup>9</sup> /L	1.62	± 0.29	4.60	± 0.63	11.22	± 1.53	
	Lym# ×10 <sup>9</sup> /L	1.18	± 0.29	2.26	± 0.63	3.06	± 1.19	
	Mon# ×10 <sup>9</sup> /L	0.22	± 0.19	0.39	± 0.32	1.02	± 0.85	
	Eos# ×10 <sup>9</sup> /L	0.18	± 0.17	0.55	± 0.48	1.70	± 1.36	
	Bas# ×10 <sup>9</sup> /L	0.77	± 0.33	2.14	± 0.79	5.22	± 1.71	
	Neu%	50.5	± 9.0	59.0	± 8.0	66.0	± 9.0	
	Lym%	37.0	± 9.0	29.0	± 8.0	18.0	± 7.0	
	Mon%	7.0	± 6.0	5.0	± 4.0	6.0	± 5.0	
	Eos%	5.5	± 5.0	7.0	± 6.0	10.0	± 8.0	
	Bas%	24.0	± 10.0	27.4	± 10.0	30.7	± 10.0	
	RBC ×10 <sup>12</sup> /L	1.92	± 0.18	4.10	± 0.24	4.86	± 0.30	
	HGB g/L	51	± 4	124	± 6	153	± 8	
	HCT %	16.3	± 1.5	39.0	± 2.0	49.1	± 2.4	
	MCV fL	85.0	± 5.0	95.0	± 5.0	101.0	± 5.0	
	MCH pg	26.6	± 2.5	30.2	± 2.5	31.5	± 2.5	
	MCHC g/L	313	± 30	318	± 30	312	± 30	
	RDW-CV %	15.0	± 3.0	13.5	± 3.0	13.5	± 3.0	
	RDW-SD fL	47.5	± 8.0	50.0	± 8.0	50.5	± 8.0	
	PLT ×10 <sup>9</sup> /L	50	± 20	245	± 40	462	± 60	
	MPV fL	10.2	± 3.0	11.6	± 3.0	11.0	± 3.0	
<b>BC-5390 CRP</b>	WBC ×10 <sup>9</sup> /L	3.20	± 0.50	7.90	± 1.00	17.40	± 2.50	
<b>QC Mode</b>	Neu# ×10 <sup>9</sup> /L	1.63	± 0.29	4.70	± 0.64	11.40	± 1.57	
	Lym# ×10 <sup>9</sup> /L	1.18	± 0.29	2.17	± 0.64	3.13	± 1.22	
	Mon# ×10 <sup>9</sup> /L	0.21	± 0.17	0.43	± 0.40	1.13	± 0.87	
	Eos# ×10 <sup>9</sup> /L	0.18	± 0.17	0.59	± 0.48	1.74	± 1.40	
	Bas# ×10 <sup>9</sup> /L	0.78	± 0.33	2.17	± 0.79	5.32	± 1.74	
	Neu%	51.0	± 9.0	59.5	± 8.0	65.5	± 9.0	
	Lym%	37.0	± 9.0	27.5	± 8.0	18.0	± 7.0	
	Mon%	6.5	± 5.0	5.5	± 5.0	6.5	± 5.0	
	Eos%	5.5	± 5.0	7.5	± 6.0	10.0	± 8.0	
	Bas%	24.3	± 10.0	27.5	± 10.0	30.6	± 10.0	
	RBC ×10 <sup>12</sup> /L	1.95	± 0.18	4.11	± 0.24	4.85	± 0.30	
	HGB g/L	53	± 4	125	± 6	154	± 8	
	HCT %	16.1	± 1.5	39.0	± 2.0	49.5	± 2.4	
	MCV fL	82.5	± 5.0	95.0	± 5.0	102.0	± 5.0	
	MCH pg	27.2	± 2.5	30.4	± 2.5	31.8	± 2.5	
	MCHC g/L	329	± 30	320	± 30	311	± 30	
	RDW-CV %	15.5	± 3.0	14.5	± 3.0	13.5	± 3.0	
	RDW-SD fL	45.0	± 8.0	48.0	± 8.0	49.5	± 8.0	
	PLT ×10 <sup>9</sup> /L	47	± 20	243	± 40	464	± 60	
	MPV fL	7.6	± 3.0	9.1	± 3.0	8.5	± 3.0	
	PCT %*	0.050	± 0.050	0.225	± 0.100	0.395	± 0.200	
	PDW*	15.7	± 3.0	16.9	± 3.0	16.5	± 3.0	
	P-LCC ×10 <sup>9</sup> /L	15	± 15	62	± 25	96	± 35	
	P-LCR %	13.0	± 10.0	25.5	± 10.0	20.5	± 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

<b>CONTROL</b>
----------------

ASSAY VALUES AND EXPECTED RANGES

<b>LOT</b>
------------

**BC1911B****2020-01-10**

Instrument	Parameter	Low		Normal		High		+++
		LOT	BC1911BL	LOT	BC1911BN	LOT	BC1911BH	
<b>BC-5300,BC-5100</b>	WBC ×10 <sup>9</sup> /L	3.20	± 0.50	7.75	± 1.00	17.20	± 2.50	
<b>BC-5380,BC-5180</b>	Neu# ×10 <sup>9</sup> /L	1.73	± 0.29	4.73	± 0.63	11.44	± 1.38	
<b>QC Mode</b>	Lym# ×10 <sup>9</sup> /L	1.16	± 0.29	2.19	± 0.62	3.13	± 1.38	
(Software version lower than 1.24.00.16860)	Mon# ×10 <sup>9</sup> /L	0.13	± 0.10	0.23	± 0.23	0.83	± 0.70	
	Eos# ×10 <sup>9</sup> /L	0.18	± 0.16	0.60	± 0.47	1.81	± 1.38	
	Bas# ×10 <sup>9</sup> /L	1.75	± 0.32	5.19	± 0.78	13.30	± 1.73	
	Neu%	54.0	± 9.0	61.0	± 8.0	66.5	± 8.0	
	Lym%	36.3	± 9.0	28.3	± 8.0	18.2	± 8.0	
	Mon%	4.0	± 3.0	3.0	± 3.0	4.8	± 4.0	
	Eos%	5.7	± 5.0	7.7	± 6.0	10.5	± 8.0	
	Bas%	54.7	± 10.0	67.0	± 10.0	77.3	± 10.0	
	RBC ×10 <sup>12</sup> /L	1.95	± 0.18	4.14	± 0.24	4.92	± 0.30	
	HGB g/L	53	± 4	125	± 6	156	± 8	
	HCT %	17.3	± 1.5	41.4	± 2.0	52.6	± 2.4	
	MCV fL	88.5	± 5.0	100.0	± 5.0	107.0	± 5.0	
	MCH pg	27.2	± 2.5	30.2	± 2.5	31.7	± 2.5	
	MCHC g/L	307	± 30	302	± 30	296	± 30	
	RDW-CV %	15.0	± 3.0	13.8	± 3.0	13.2	± 3.0	
	RDW-SD fL	57.8	± 8.0	62.3	± 8.0	62.8	± 8.0	
	PLT ×10 <sup>9</sup> /L	45	± 20	234	± 40	455	± 60	
	MPV fL	7.8	± 3.0	9.0	± 3.0	8.5	± 3.0	
	PCT %*	0.050	± 0.050	0.223	± 0.100	0.388	± 0.200	
	PDW*	15.9	± 3.0	16.9	± 3.0	16.5	± 3.0	
<b>BC-5300,BC-5100</b>	WBC ×10 <sup>9</sup> /L	3.25	± 0.50	7.90	± 1.00	17.40	± 2.50	
<b>BC-5380,BC-5180</b>	Neu# ×10 <sup>9</sup> /L	1.76	± 0.30	4.78	± 0.64	11.57	± 1.40	
<b>QC Mode</b>	Lym# ×10 <sup>9</sup> /L	1.20	± 0.30	2.25	± 0.64	3.13	± 1.40	
(Software version 1.24.00.16860 or higher)	Mon# ×10 <sup>9</sup> /L	0.11	± 0.10	0.24	± 0.24	0.78	± 0.70	
	Eos# ×10 <sup>9</sup> /L	0.18	± 0.17	0.63	± 0.48	1.91	± 1.39	
	Bas# ×10 <sup>9</sup> /L	1.79	± 0.33	5.40	± 0.80	13.62	± 1.74	
	Neu%	54.0	± 9.0	60.5	± 8.0	66.5	± 8.0	
	Lym%	37.0	± 9.0	28.5	± 8.0	18.0	± 8.0	
	Mon%	3.5	± 3.0	3.0	± 3.0	4.5	± 4.0	
	Eos%	5.5	± 5.0	8.0	± 6.0	11.0	± 8.0	
	Bas%	55.1	± 10.0	68.3	± 10.0	78.3	± 10.0	
	RBC ×10 <sup>12</sup> /L	1.94	± 0.18	4.08	± 0.24	4.83	± 0.30	
	HGB g/L	54	± 4	125	± 6	155	± 8	
	HCT %	16.9	± 1.5	40.4	± 2.0	51.0	± 2.4	
	MCV fL	87.0	± 5.0	99.0	± 5.0	105.5	± 5.0	
	MCH pg	27.8	± 2.5	30.6	± 2.5	32.1	± 2.5	
	MCHC g/L	320	± 30	309	± 30	304	± 30	
	RDW-CV %	15.0	± 3.0	14.0	± 3.0	13.5	± 3.0	
	RDW-SD fL	54.0	± 8.0	58.0	± 8.0	59.0	± 8.0	
	PLT ×10 <sup>9</sup> /L	45	± 20	237	± 40	454	± 60	
	MPV fL	7.7	± 3.0	9.4	± 3.0	8.9	± 3.0	
	PCT %*	0.050	± 0.050	0.225	± 0.100	0.410	± 0.200	
	PDW*	15.6	± 3.0	16.8	± 3.0	16.5	± 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

<b>CONTROL</b>
----------------

ASSAY VALUES AND EXPECTED RANGES


**BC1911B**  
**2020-01-10**

Instrument	Parameter	Low		Normal		High		++++
		LOT	BC1911BL	LOT	BC1911BN	LOT	BC1911BH	
<b>BC-5000,BC-5150,BC-5120</b>	WBC ×10 <sup>9</sup> /L	3.35	± 0.50	7.70	± 1.00	17.10	± 2.50	
<b>BC-5130,BC-5140,BC-5000VET</b>	Neu# ×10 <sup>9</sup> /L	1.69	± 0.41	4.47	± 0.93	10.86	± 2.06	
<b>QC Mode</b>	Lym# ×10 <sup>9</sup> /L	1.22	± 0.31	2.13	± 0.62	2.98	± 1.20	
	Mon# ×10 <sup>9</sup> /L	0.27	± 0.27	0.49	± 0.49	1.42	± 1.42	
	Eos# ×10 <sup>9</sup> /L	0.15	± 0.15	0.52	± 0.52	1.57	± 1.57	
	Bas# ×10 <sup>9</sup> /L	0.03	± 0.03	0.09	± 0.09	0.27	± 0.27	
	Neu%	50.3	± 12.0	58.1	± 12.0	63.5	± 12.0	
	Lym%	36.5	± 9.0	27.6	± 8.0	17.4	± 7.0	
	Mon%	8.0	± 8.0	6.3	± 6.3	8.3	± 8.3	
	Eos%	4.4	± 4.4	6.8	± 6.8	9.2	± 9.2	
	Bas%	0.8	± 0.8	1.2	± 1.2	1.6	± 1.6	
	RBC ×10 <sup>12</sup> /L	1.95	± 0.18	4.20	± 0.24	5.00	± 0.30	
	HGB g/L	53	± 4	127	± 6	161	± 8	
	HCT %	17.1	± 1.5	41.0	± 2.0	51.5	± 2.4	
	MCV fL	87.5	± 5.0	97.5	± 5.0	103.0	± 5.0	
	MCH pg	27.2	± 2.5	30.2	± 2.5	32.2	± 2.5	
	MCHC g/L	311	± 30	310	± 30	313	± 30	
	RDW-CV %	17.5	± 3.0	16.0	± 3.0	15.0	± 3.0	
	RDW-SD fL	56.0	± 8.0	58.0	± 8.0	58.5	± 8.0	
	PLT ×10 <sup>9</sup> /L	48	± 20	248	± 40	488	± 60	
	MPV fL	9.8	± 3.0	10.9	± 3.0	10.0	± 3.0	
	PCT %*	0.050	± 0.050	0.270	± 0.100	0.490	± 0.200	
	PDW*	15.7	± 3.0	16.7	± 3.0	16.5	± 3.0	
	P-LCC ×10 <sup>9</sup> /L**	15	± 15	82	± 25	133	± 35	
	P-LCR %**	26.0	± 10.0	33.0	± 10.0	27.0	± 10.0	
<b>BC-5300Vet,BC-5100Vet</b>	WBC ×10 <sup>9</sup> /L	3.20	± 0.50	7.75	± 1.00	17.20	± 2.50	
<b>QC Mode</b>	Neu# ×10 <sup>9</sup> /L	1.73	± 0.29	4.73	± 0.63	11.44	± 1.38	
	Lym# ×10 <sup>9</sup> /L	1.16	± 0.29	2.19	± 0.62	3.13	± 1.38	
	Mon# ×10 <sup>9</sup> /L	0.13	± 0.10	0.23	± 0.23	0.83	± 0.70	
	Eos# ×10 <sup>9</sup> /L	0.18	± 0.16	0.60	± 0.47	1.81	± 1.38	
	Neu%	54.0	± 9.0	61.0	± 8.0	66.5	± 8.0	
	Lym%	36.3	± 9.0	28.3	± 8.0	18.2	± 8.0	
	Mon%	4.0	± 3.0	3.0	± 3.0	4.8	± 4.0	
	Eos%	5.7	± 5.0	7.7	± 6.0	10.5	± 8.0	
	RBC ×10 <sup>12</sup> /L	1.95	± 0.18	4.14	± 0.24	4.92	± 0.30	
	HGB g/L	53	± 4	125	± 6	156	± 8	
	HCT %	17.3	± 1.5	41.4	± 2.0	52.6	± 2.4	
	MCV fL	88.5	± 5.0	100.0	± 5.0	107.0	± 5.0	
	MCH pg	27.2	± 2.5	30.2	± 2.5	31.7	± 2.5	
	MCHC g/L	307	± 30	302	± 30	296	± 30	
	RDW-CV %	15.0	± 3.0	13.8	± 3.0	13.2	± 3.0	
	RDW-SD fL	57.8	± 8.0	62.3	± 8.0	62.8	± 8.0	
	PLT ×10 <sup>9</sup> /L	45	± 20	234	± 40	455	± 60	
	MPV fL	7.8	± 3.0	9.0	± 3.0	8.5	± 3.0	
	PCT %*	0.050	± 0.050	0.223	± 0.100	0.388	± 0.200	
	PDW*	15.9	± 3.0	16.9	± 3.0	16.5	± 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