BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC1907B**

2019-09-10

		Low		Normal		High	
Instrument	**Parameter**	**LOT**	**BC1907BL**	**LOT**	**BC1907BN**	**LOT**	**BC1907BH**
BC-5800,BC-5600	WBC $\times10^9$/L	3.40	± 0.50	7.90	± 1.00	17.55	± 2.50
QC Mode	Neu# $\times10^9$/L	1.67	± 0.31	4.42	± 0.64	11.23	± 1.41
	Lym# $\times10^9$/L	1.29	± 0.31	2.29	± 0.64	3.51	± 1.41
	Mon# $\times10^9$/L	0.26	± 0.21	0.55	± 0.48	1.14	± 1.06
	Eos# $\times10^9$/L	0.15	± 0.14	0.55	± 0.48	1.49	± 1.23
	Bas# $\times10^9$/L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18
	Neu%	49.0	± 9.0	56.0	± 8.0	64.0	± 8.0
	Lym%	38.0	± 9.0	29.0	± 8.0	20.0	± 8.0
	Mon%	7.5	± 6.0	7.0	± 6.0	6.5	± 6.0
	Eos%	4.5	± 4.0	7.0	± 6.0	8.5	± 7.0
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC $\times10^{12}$/L	1.96	± 0.18	3.97	± 0.24	4.84	± 0.30
	HGB g/L	58	± 4	132	± 6	167	± 8
	HCT %	17.3	± 1.5	39.9	± 2.0	51.5	± 2.4
	MCV fL	88.5	± 5.0	100.5	± 5.0	106.5	± 5.0
	MCH pg	29.6	± 2.5	33.2	± 2.5	34.5	± 2.5
	MCHC g/L	334	± 30	331	± 30	324	± 30
	RDW-CV %	15.0	± 3.0	13.5	± 3.0	13.0	± 3.0
	RDW-SD fL	47.0	± 10.0	48.2	± 10.0	51.3	± 10.0
	PLT $\times10^9$/L	52	± 20	255	± 40	500	± 60
	MPV fL	8.6	± 3.0	8.5	± 3.0	10.1	± 3.0
	PCT %*	0.050	± 0.050	0.215	± 0.100	0.495	± 0.200
	PDW*	16.2	± 3.0	15.4	± 3.0	16.4	± 3.0
	P-LCC $\times10^9$/L	15	± 15	54	± 25	180	± 35
	P-LCR %	27.0	± 10.0	21.5	± 10.0	36.5	± 10.0
BC-5500,BC-5200	WBC $\times10^9$/L	3.35	± 0.50	7.50	± 1.00	16.70	± 2.50
QC Mode	Neu# $\times10^9$/L	1.66	± 0.31	4.24	± 0.61	10.94	± 1.34
	Lym# $\times10^9$/L	1.27	± 0.31	2.14	± 0.61	3.17	± 1.34
	Mon# $\times10^9$/L	0.20	± 0.17	0.53	± 0.46	1.00	± 0.84
	Eos# $\times10^9$/L	0.18	± 0.17	0.53	± 0.46	1.42	± 1.17
	Bas# $\times10^9$/L	0.03	± 0.03	0.08	± 0.08	0.17	± 0.17
	Neu%	49.5	± 9.0	56.5	± 8.0	65.5	± 8.0
	Lym%	38.0	± 9.0	28.5	± 8.0	19.0	± 8.0
	Mon%	6.0	± 5.0	7.0	± 6.0	6.0	± 5.0
	Eos%	5.5	± 5.0	7.0	± 6.0	8.5	± 7.0
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC $\times10^{12}$/L	2.00	± 0.18	3.97	± 0.24	4.81	± 0.30
	HGB g/L	62	± 4	142	± 6	181	± 8
	HCT %	17.0	± 1.5	38.1	± 2.0	48.8	± 2.4
	MCV fL	85.0	± 5.0	96.0	± 5.0	101.5	± 5.0
	MCH pg	31.0	± 2.5	35.8	± 2.5	37.6	± 2.5
	MCHC g/L	365	± 30	373	± 30	371	± 30
	RDW-CV %	12.0	± 3.0	11.0	± 3.0	10.5	± 3.0
	RDW-SD fL	31.5	± 8.0	33.5	± 8.0	36.0	± 8.0
	PLT $\times10^9$/L	54	± 20	253	± 40	482	± 60
	MPV fL	9.1	± 3.0	9.0	± 3.0	10.9	± 3.0
	PCT %*	0.050	± 0.050	0.230	± 0.100	0.520	± 0.200
	PDW*	16.4	± 3.0	15.7	± 3.0	16.8	± 3.0

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BC-5D

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CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC1907B**

2019-09-10

		Low		Normal		High	++
Instrument	**Parameter**	LOT	**BC1907BL**	LOT	**BC1907BN**	LOT	**BC1907BH**
BC-5390	WBC $\times10^9$/L	3.25	± 0.50	7.70	± 1.00	16.60	± 2.50
QC Mode	Neu# $\times10^9$/L	1.69	± 0.30	4.47	± 0.62	11.21	± 1.50
	Lym# $\times10^9$/L	1.20	± 0.30	2.08	± 0.62	2.99	± 1.17
	Mon# $\times10^9$/L	0.20	± 0.17	0.58	± 0.47	0.91	± 0.83
	Eos# $\times10^9$/L	0.16	± 0.13	0.58	± 0.47	1.49	± 1.16
	Bas# $\times10^9$/L	0.79	± 0.33	2.15	± 0.78	5.11	± 1.66
	Neu%	52.0	± 9.0	58.0	± 8.0	67.5	± 9.0
	Lym%	37.0	± 9.0	27.0	± 8.0	18.0	± 7.0
	Mon%	6.0	± 5.0	7.5	± 6.0	5.5	± 5.0
	Eos%	5.0	± 4.0	7.5	± 6.0	9.0	± 7.0
	Bas%	24.3	± 10.0	27.9	± 10.0	30.8	± 10.0
	RBC $\times10^{12}$/L	1.92	± 0.18	3.93	± 0.24	4.80	± 0.30
	HGB g/L	53	± 4	122	± 6	155	± 8
	HCT %	17.0	± 1.5	38.5	± 2.0	49.7	± 2.4
	MCV fL	88.5	± 5.0	98.0	± 5.0	103.5	± 5.0
	MCH pg	27.6	± 2.5	31.0	± 2.5	32.3	± 2.5
	MCHC g/L	312	± 30	317	± 30	312	± 30
	RDW-CV %	14.0	± 3.0	13.0	± 3.0	13.0	± 3.0
	RDW-SD fL	47.0	± 8.0	48.0	± 8.0	50.0	± 8.0
	PLT $\times10^9$/L	52	± 20	252	± 40	491	± 60
	MPV fL	11.7	± 3.0	11.0	± 3.0	12.7	± 3.0
BC-5390 CRP	WBC $\times10^9$/L	3.30	± 0.50	7.85	± 1.00	16.95	± 2.50
QC Mode	Neu# $\times10^9$/L	1.70	± 0.30	4.51	± 0.63	11.27	± 1.53
	Lym# $\times10^9$/L	1.22	± 0.30	2.20	± 0.63	3.31	± 1.19
	Mon# $\times10^9$/L	0.20	± 0.17	0.55	± 0.48	0.85	± 0.69
	Eos# $\times10^9$/L	0.18	± 0.17	0.59	± 0.48	1.53	± 1.19
	Bas# $\times10^9$/L	0.81	± 0.34	2.21	± 0.79	5.22	± 1.70
	Neu%	51.5	± 9.0	57.5	± 8.0	66.5	± 9.0
	Lym%	37.0	± 9.0	28.0	± 8.0	19.5	± 7.0
	Mon%	6.0	± 5.0	7.0	± 6.0	5.0	± 4.0
	Eos%	5.5	± 5.0	7.5	± 6.0	9.0	± 7.0
	Bas%	24.5	± 10.0	28.1	± 10.0	30.8	± 10.0
	RBC $\times10^{12}$/L	1.93	± 0.18	3.94	± 0.24	4.79	± 0.30
	HGB g/L	54	± 4	123	± 6	157	± 8
	HCT %	16.5	± 1.5	38.2	± 2.0	49.8	± 2.4
	MCV fL	85.5	± 5.0	97.0	± 5.0	104.0	± 5.0
	MCH pg	28.0	± 2.5	31.2	± 2.5	32.8	± 2.5
	MCHC g/L	327	± 30	322	± 30	315	± 30
	RDW-CV %	15.0	± 3.0	13.5	± 3.0	13.5	± 3.0
	RDW-SD fL	45.5	± 8.0	46.5	± 8.0	49.0	± 8.0
	PLT $\times10^9$/L	50	± 20	248	± 40	489	± 60
	MPV fL	8.9	± 3.0	8.4	± 3.0	10.0	± 3.0
	PCT %*	0.050	± 0.050	0.210	± 0.100	0.490	± 0.200
	PDW*	15.8	± 3.0	15.5	± 3.0	16.6	± 3.0
	P-LCC $\times10^9$/L	15	± 15	40	± 25	148	± 35
	P-LCR %	22.0	± 10.0	16.0	± 10.0	30.0	± 10.0

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LOT **BC1907B**

2019-09-10

		Low		Normal		High	+++
Instrument	**Parameter**	**LOT**	**BC1907BL**	**LOT**	**BC1907BN**	**LOT**	**BC1907BH**
BC-5300,BC-5100	WBC $\times10^9$/L	3.25	± 0.50	7.70	± 1.00	16.90	± 2.50
BC-5380,BC-5180	Neu# $\times10^9$/L	1.82	± 0.30	4.64	± 0.62	11.63	± 1.36
QC Mode	Lym# $\times10^9$/L	1.11	± 0.30	2.06	± 0.62	2.82	± 1.36
(Software version lower than 1.24.00.16860)	Mon# $\times10^9$/L	0.13	± 0.10	0.42	± 0.39	0.68	± 0.51
	Eos# $\times10^9$/L	0.20	± 0.17	0.58	± 0.47	1.77	± 1.35
	Bas# $\times10^9$/L	1.81	± 0.33	5.30	± 0.78	13.15	± 1.70
	Neu%	56.0	± 9.0	60.2	± 8.0	68.8	± 8.0
	Lym%	34.0	± 9.0	26.8	± 8.0	16.7	± 8.0
	Mon%	4.0	± 3.0	5.5	± 5.0	4.0	± 3.0
	Eos%	6.0	± 5.0	7.5	± 6.0	10.5	± 8.0
	Bas%	55.7	± 10.0	68.8	± 10.0	77.8	± 10.0
	RBC $\times10^{12}$/L	1.94	± 0.18	3.95	± 0.24	4.82	± 0.30
	HGB g/L	55	± 4	124	± 6	157	± 8
	HCT %	17.7	± 1.5	40.5	± 2.0	52.3	± 2.4
	MCV fL	91.0	± 5.0	102.5	± 5.0	108.5	± 5.0
	MCH pg	28.4	± 2.5	31.4	± 2.5	32.6	± 2.5
	MCHC g/L	312	± 30	306	± 30	300	± 30
	RDW-CV %	14.8	± 3.0	13.2	± 3.0	13.3	± 3.0
	RDW-SD fL	58.5	± 8.0	59.8	± 8.0	63.0	± 8.0
	PLT $\times10^9$/L	49	± 20	246	± 40	480	± 60
	MPV fL	9.7	± 3.0	8.6	± 3.0	10.1	± 3.0
	PCT %*	0.050	± 0.050	0.210	± 0.100	0.480	± 0.200
	PDW*	16.0	± 3.0	15.4	± 3.0	16.5	± 3.0
BC-5300,BC-5100	WBC $\times10^9$/L	3.30	± 0.50	7.85	± 1.00	17.20	± 2.50
BC-5380,BC-5180	Neu# $\times10^9$/L	1.82	± 0.30	4.71	± 0.63	11.78	± 1.38
QC Mode	Lym# $\times10^9$/L	1.14	± 0.30	2.16	± 0.63	2.92	± 1.38
(Software version 1.24.00.16860 or higher)	Mon# $\times10^9$/L	0.17	± 0.14	0.39	± 0.32	0.77	± 0.69
	Eos# $\times10^9$/L	0.18	± 0.17	0.59	± 0.48	1.72	± 1.38
	Bas# $\times10^9$/L	1.89	± 0.33	5.44	± 0.79	13.50	± 1.72
	Neu%	55.0	± 9.0	60.0	± 8.0	68.5	± 8.0
	Lym%	34.5	± 9.0	27.5	± 8.0	17.0	± 8.0
	Mon%	5.0	± 4.0	5.0	± 4.0	4.5	± 4.0
	Eos%	5.5	± 5.0	7.5	± 6.0	10.0	± 8.0
	Bas%	57.3	± 10.0	69.3	± 10.0	78.5	± 10.0
	RBC $\times10^{12}$/L	1.94	± 0.18	3.95	± 0.24	4.80	± 0.30
	HGB g/L	55	± 4	124	± 6	157	± 8
	HCT %	17.4	± 1.5	39.9	± 2.0	51.6	± 2.4
	MCV fL	89.5	± 5.0	101.0	± 5.0	107.5	± 5.0
	MCH pg	28.4	± 2.5	31.4	± 2.5	32.7	± 2.5
	MCHC g/L	317	± 30	311	± 30	304	± 30
	RDW-CV %	14.5	± 3.0	13.5	± 3.0	13.0	± 3.0
	RDW-SD fL	54.5	± 8.0	55.5	± 8.0	59.0	± 8.0
	PLT $\times10^9$/L	51	± 20	247	± 40	500	± 60
	MPV fL	9.3	± 3.0	8.7	± 3.0	10.5	± 3.0
	PCT %*	0.050	± 0.050	0.215	± 0.100	0.520	± 0.200
	PDW*	16.0	± 3.0	15.5	± 3.0	16.6	± 3.0

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ASSAY VALUES AND EXPECTED RANGES

LOT **BC1907B**

2019-09-10

		Low		Normal		High	++++
Instrument	**Parameter**	**LOT**	**BC1907BL**	**LOT**	**BC1907BN**	**LOT**	**BC1907BH**
BC-5000,BC-5150,BC-5120	WBC $\times10^9$/L	3.35	± 0.50	7.60	± 1.00	17.00	± 2.50
BC-5130,BC-5140,BC-5000VET	Neu# $\times10^9$/L	1.71	± 0.41	4.29	± 0.92	11.19	± 2.05
QC Mode	Lym# $\times10^9$/L	1.16	± 0.31	1.99	± 0.61	2.84	± 1.20
	Mon# $\times10^9$/L	0.29	± 0.29	0.69	± 0.69	1.29	± 1.29
	Eos# $\times10^9$/L	0.16	± 0.16	0.54	± 0.54	1.45	± 1.45
	Bas# $\times10^9$/L	0.03	± 0.03	0.09	± 0.09	0.24	± 0.24
	Neu%	51.1	± 12.0	56.4	± 12.0	65.8	± 12.0
	Lym%	34.6	± 9.0	26.2	± 8.0	16.7	± 7.0
	Mon%	8.7	± 8.7	9.1	± 9.1	7.6	± 7.6
	Eos%	4.8	± 4.8	7.1	± 7.1	8.5	± 8.5
	Bas%	0.8	± 0.8	1.2	± 1.2	1.4	± 1.4
	RBC $\times10^{12}$/L	1.96	± 0.18	4.01	± 0.24	4.92	± 0.30
	HGB g/L	54	± 4	126	± 6	161	± 8
	HCT %	17.7	± 1.5	40.3	± 2.0	51.7	± 2.4
	MCV fL	90.5	± 5.0	100.5	± 5.0	105.0	± 5.0
	MCH pg	27.6	± 2.5	31.4	± 2.5	32.7	± 2.5
	MCHC g/L	304	± 30	313	± 30	312	± 30
	RDW-CV %	17.0	± 3.0	15.0	± 3.0	15.0	± 3.0
	RDW-SD fL	56.0	± 8.0	56.0	± 8.0	58.5	± 8.0
	PLT $\times10^9$/L	52	± 20	255	± 40	505	± 60
	MPV fL	11.0	± 3.0	10.4	± 3.0	11.8	± 3.0
	PCT %*	0.050	± 0.050	0.270	± 0.100	0.590	± 0.200
	PDW*	15.7	± 3.0	15.6	± 3.0	16.5	± 3.0
	P-LCC $\times10^9$/L**	15	± 15	72	± 25	192	± 35
	P-LCR %**	33.0	± 10.0	27.5	± 10.0	38.0	± 10.0
BC-5300Vet,BC-5100Vet	WBC $\times10^9$/L	3.25	± 0.50	7.70	± 1.00	16.90	± 2.50
QC Mode	Neu# $\times10^9$/L	1.82	± 0.30	4.64	± 0.62	11.63	± 1.36
	Lym# $\times10^9$/L	1.11	± 0.30	2.06	± 0.62	2.82	± 1.36
	Mon# $\times10^9$/L	0.13	± 0.10	0.42	± 0.39	0.68	± 0.51
	Eos# $\times10^9$/L	0.20	± 0.17	0.58	± 0.47	1.77	± 1.35
	Neu%	56.0	± 9.0	60.2	± 8.0	68.8	± 8.0
	Lym%	34.0	± 9.0	26.8	± 8.0	16.7	± 8.0
	Mon%	4.0	± 3.0	5.5	± 5.0	4.0	± 3.0
	Eos%	6.0	± 5.0	7.5	± 6.0	10.5	± 8.0
	RBC $\times10^{12}$/L	1.94	± 0.18	3.95	± 0.24	4.82	± 0.30
	HGB g/L	55	± 4	124	± 6	157	± 8
	HCT %	17.7	± 1.5	40.5	± 2.0	52.3	± 2.4
	MCV fL	91.0	± 5.0	102.5	± 5.0	108.5	± 5.0
	MCH pg	28.4	± 2.5	31.4	± 2.5	32.6	± 2.5
	MCHC g/L	312	± 30	306	± 30	300	± 30
	RDW-CV %	14.8	± 3.0	13.2	± 3.0	13.3	± 3.0
	RDW-SD fL	58.5	± 8.0	59.8	± 8.0	63.0	± 8.0
	PLT $\times10^9$/L	49	± 20	246	± 40	480	± 60
	MPV fL	9.7	± 3.0	8.6	± 3.0	10.1	± 3.0
	PCT %*	0.050	± 0.050	0.210	± 0.100	0.480	± 0.200
	PDW*	16.0	± 3.0	15.4	± 3.0	16.5	± 3.0

* For Research Use Only ** These parameters are not provided on BC-5000/BC-5000 Vet analyzers

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