BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2011B**

2021-01-10

		Low		Normal		High	
Instrument	**Parameter**	**LOT**	**BC2011BL**	**LOT**	**BC2011BN**	**LOT**	**BC2011BH**
BC-5800,BC-5600	WBC $\times10^9$/L	3.36	± 0.50	7.71	± 1.00	17.67	± 2.50
QC Mode	Neu# $\times10^9$/L	1.63	± 0.31	4.47	± 0.70	11.20	± 1.59
	Lym# $\times10^9$/L	1.26	± 0.31	2.18	± 0.62	3.52	± 1.42
	Mon# $\times10^9$/L	0.26	± 0.21	0.52	± 0.46	1.18	± 1.06
	Eos# $\times10^9$/L	0.18	± 0.14	0.45	± 0.39	1.59	± 1.24
	Bas# $\times10^9$/L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18
	Neu%	48.4	± 9.0	58.0	± 9.0	63.4	± 9.0
	Lym%	37.6	± 9.0	28.3	± 8.0	19.9	± 8.0
	Mon%	7.6	± 6.0	6.8	± 6.0	6.7	± 6.0
	Eos%	5.4	± 4.0	5.9	± 5.0	9.0	± 7.0
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC $\times10^{12}$/L	2.03	± 0.18	4.15	± 0.24	4.97	± 0.30
	HGB g/L	59	± 4	135	± 6	171	± 8
	HCT %	17.8	± 1.5	40.5	± 2.0	52.1	± 2.4
	MCV fL	87.6	± 5.0	97.5	± 5.0	104.9	± 5.0
	MCH pg	29.1	± 2.5	32.5	± 2.5	34.4	± 2.5
	MCHC g/L	332	± 30	334	± 30	328	± 30
	RDW-CV %	14.9	± 3.0	13.7	± 3.0	13.3	± 3.0
	RDW-SD fL	46.1	± 10.0	49.3	± 10.0	52.4	± 10.0
	PLT $\times10^9$/L	55	± 20	250	± 40	498	± 60
	MPV fL	7.0	± 3.0	8.4	± 3.0	9.6	± 3.0
	PCT %*	0.039	± 0.039	0.210	± 0.100	0.478	± 0.200
	PDW*	15.7	± 3.0	16.6	± 3.0	16.2	± 3.0
	P-LCC $\times10^9$/L	7	± 7	62	± 25	161	± 35
	P-LCR %	12.3	± 10.0	24.8	± 10.0	32.3	± 10.0
BC-5390	WBC $\times10^9$/L	3.20	± 0.50	7.60	± 1.00	17.25	± 2.50
QC Mode	Neu# $\times10^9$/L	1.65	± 0.29	4.56	± 0.69	11.21	± 1.56
	Lym# $\times10^9$/L	1.10	± 0.29	2.01	± 0.61	3.19	± 1.21
	Mon# $\times10^9$/L	0.24	± 0.20	0.53	± 0.46	1.12	± 0.87
	Eos# $\times10^9$/L	0.21	± 0.17	0.49	± 0.38	1.73	± 1.39
	Bas# $\times10^9$/L	0.84	± 0.33	2.14	± 0.76	5.30	± 1.73
	Neu%	51.5	± 9.0	60.0	± 9.0	65.0	± 9.0
	Lym%	34.5	± 9.0	26.5	± 8.0	18.5	± 7.0
	Mon%	7.5	± 6.0	7.0	± 6.0	6.5	± 5.0
	Eos%	6.5	± 5.0	6.5	± 5.0	10.0	± 8.0
	Bas%	26.1	± 10.0	28.2	± 10.0	30.7	± 10.0
	RBC $\times10^{12}$/L	1.95	± 0.18	4.08	± 0.24	4.92	± 0.30
	HGB g/L	53	± 4	124	± 6	157	± 8
	HCT %	16.9	± 1.5	39.0	± 2.0	50.2	± 2.4
	MCV fL	86.5	± 5.0	95.5	± 5.0	102.0	± 5.0
	MCH pg	27.2	± 2.5	30.4	± 2.5	31.9	± 2.5
	MCHC g/L	314	± 30	318	± 30	313	± 30
	RDW-CV %	14.5	± 3.0	13.5	± 3.0	13.0	± 3.0
	RDW-SD fL	46.5	± 8.0	48.0	± 8.0	50.0	± 8.0
	PLT $\times10^9$/L	50	± 20	236	± 40	482	± 60
	MPV fL	9.9	± 3.0	11.2	± 3.0	12.2	± 3.0

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BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2011B**

2021-01-10

		Low		Normal		High	++
Instrument	**Parameter**	LOT	**BC2011BL**	LOT	**BC2011BN**	LOT	**BC2011BH**
BC-5390 CRP	WBC $\times10^9$/L	3.13	± 0.50	7.51	± 1.00	17.19	± 2.50
QC Mode	Neu# $\times10^9$/L	1.63	± 0.29	4.48	± 0.68	11.10	± 1.55
	Lym# $\times10^9$/L	1.09	± 0.29	1.98	± 0.60	3.20	± 1.38
	Mon# $\times10^9$/L	0.21	± 0.19	0.51	± 0.45	1.08	± 0.86
	Eos# $\times10^9$/L	0.19	± 0.19	0.53	± 0.45	1.80	± 1.38
	Bas# $\times10^9$/L	0.82	± 0.32	2.13	± 0.75	5.28	± 1.72
	Neu%	52.2	± 9.0	59.7	± 9.0	64.6	± 9.0
	Lym%	34.8	± 9.0	26.4	± 8.0	18.6	± 8.0
	Mon%	6.8	± 6.0	6.8	± 6.0	6.3	± 5.0
	Eos%	6.2	± 6.0	7.1	± 6.0	10.5	± 8.0
	Bas%	26.1	± 10.0	28.4	± 10.0	30.7	± 10.0
	RBC $\times10^{12}$/L	1.98	± 0.18	4.10	± 0.24	4.94	± 0.30
	HGB g/L	55	± 4	126	± 6	159	± 8
	HCT %	16.8	± 1.5	39.3	± 2.0	50.7	± 2.4
	MCV fL	85.0	± 5.0	95.8	± 5.0	102.7	± 5.0
	MCH pg	27.8	± 2.5	30.7	± 2.5	32.2	± 2.5
	MCHC g/L	327	± 30	321	± 30	313	± 30
	RDW-CV %	14.7	± 3.0	14.0	± 3.0	13.8	± 3.0
	RDW-SD fL	44.8	± 8.0	47.3	± 8.0	50.2	± 8.0
	PLT $\times10^9$/L	49	± 20	240	± 40	482	± 60
	MPV fL	7.7	± 3.0	9.0	± 3.0	10.0	± 3.0
	PCT %*	0.038	± 0.038	0.216	± 0.100	0.482	± 0.200
	PDW*	15.4	± 3.0	16.6	± 3.0	16.3	± 3.0
	P-LCC $\times10^9$/L	6	± 6	55	± 25	142	± 35
	P-LCR %	12.7	± 10.0	22.8	± 10.0	29.5	± 10.0
BC-5300,BC-5100	WBC $\times10^9$/L	3.10	± 0.50	7.40	± 1.00	17.10	± 2.50
BC-5380,BC-5180	Neu# $\times10^9$/L	1.70	± 0.28	4.53	± 0.67	11.29	± 1.54
QC Mode	Lym# $\times10^9$/L	1.10	± 0.28	2.02	± 0.60	3.25	± 1.37
(Software version lower than 1.24.00.16860)	Mon# $\times10^9$/L	0.11	± 0.11	0.33	± 0.30	0.77	± 0.69
	Eos# $\times10^9$/L	0.19	± 0.16	0.52	± 0.45	1.80	± 1.37
	Bas# $\times10^9$/L	1.88	± 0.31	5.17	± 0.75	13.30	± 1.71
	Neu%	54.8	± 9.0	61.2	± 9.0	66.0	± 9.0
	Lym%	35.5	± 9.0	27.3	± 8.0	19.0	± 8.0
	Mon%	3.5	± 3.5	4.5	± 4.0	4.5	± 4.0
	Eos%	6.2	± 5.0	7.0	± 6.0	10.5	± 8.0
	Bas%	60.8	± 10.0	69.8	± 10.0	77.8	± 10.0
	RBC $\times10^{12}$/L	1.99	± 0.18	4.12	± 0.24	4.96	± 0.30
	HGB g/L	55	± 4	126	± 6	158	± 8
	HCT %	17.8	± 1.5	41.2	± 2.0	53.2	± 2.4
	MCV fL	89.5	± 5.0	100.0	± 5.0	107.3	± 5.0
	MCH pg	27.6	± 2.5	30.6	± 2.5	31.9	± 2.5
	MCHC g/L	309	± 30	306	± 30	297	± 30
	RDW-CV %	14.5	± 3.0	13.5	± 3.0	13.0	± 3.0
	RDW-SD fL	58.0	± 8.0	59.8	± 8.0	62.3	± 8.0
	PLT $\times10^9$/L	49	± 20	228	± 40	464	± 60
	MPV fL	7.6	± 3.0	8.8	± 3.0	9.6	± 3.0
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.448	± 0.200
	PDW*	15.7	± 3.0	16.6	± 3.0	16.2	± 3.0

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BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2011B**

2021-01-10

		Low		Normal		High		+++
Instrument	**Parameter**	**LOT**	**BC2011BL**	**LOT**	**BC2011BN**	**LOT**	**BC2011BH**	
BC-5300,BC-5100	WBC $\times10^9$/L	3.11	± 0.50	7.53	± 1.00	17.20	± 2.50	
BC-5380,BC-5180	Neu# $\times10^9$/L	1.72	± 0.29	4.65	± 0.68	11.35	± 1.55	
QC Mode	Lym# $\times10^9$/L	1.09	± 0.29	2.01	± 0.61	3.25	± 1.38	
(Software version 1.24.00.16860 or higher)	Mon# $\times10^9$/L	0.10	± 0.10	0.35	± 0.31	0.77	± 0.69	
	Eos# $\times10^9$/L	0.21	± 0.20	0.53	± 0.46	1.82	± 1.38	
	Bas# $\times10^9$/L	1.88	± 0.32	5.29	± 0.76	13.55	± 1.72	
	Neu%	55.2	± 9.0	61.7	± 9.0	66.0	± 9.0	
	Lym%	34.9	± 9.0	26.7	± 8.0	18.9	± 8.0	
	Mon%	3.3	± 3.3	4.6	± 4.0	4.5	± 4.0	
	Eos%	6.6	± 6.0	7.0	± 6.0	10.6	± 8.0	
	Bas%	60.6	± 10.0	70.3	± 10.0	78.8	± 10.0	
	RBC $\times10^{12}$/L	1.96	± 0.18	4.07	± 0.24	4.89	± 0.30	
	HGB g/L	54	± 4	126	± 6	159	± 8	
	HCT %	17.2	± 1.5	39.9	± 2.0	51.6	± 2.4	
	MCV fL	87.5	± 5.0	98.0	± 5.0	105.5	± 5.0	
	MCH pg	27.6	± 2.5	31.0	± 2.5	32.5	± 2.5	
	MCHC g/L	315	± 30	316	± 30	308	± 30	
	RDW-CV %	14.7	± 3.0	13.9	± 3.0	13.5	± 3.0	
	RDW-SD fL	53.0	± 8.0	56.4	± 8.0	59.8	± 8.0	
	PLT $\times10^9$/L	48	± 20	234	± 40	475	± 60	
	MPV fL	7.4	± 3.0	8.6	± 3.0	9.6	± 3.0	
	PCT %*	0.036	± 0.036	0.201	± 0.100	0.456	± 0.200	
	PDW*	15.7	± 3.0	16.6	± 3.0	16.4	± 3.0	
BC-5000,BC-5150,BC-5120	WBC $\times10^9$/L	3.23	± 0.50	7.47	± 1.00	17.08	± 2.50	
BC-5130,BC-5140,BC-5000VET	Neu# $\times10^9$/L	1.64	± 0.39	4.31	± 0.90	10.61	± 2.06	
QC Mode	Lym# $\times10^9$/L	1.09	± 0.30	1.99	± 0.60	3.06	± 1.20	
	Mon# $\times10^9$/L	0.32	± 0.32	0.63	± 0.63	1.42	± 1.42	
	Eos# $\times10^9$/L	0.16	± 0.16	0.46	± 0.46	1.71	± 1.71	
	Bas# $\times10^9$/L	0.03	± 0.03	0.08	± 0.08	0.29	± 0.29	
	Neu%	50.7	± 12.0	57.7	± 12.0	62.1	± 12.0	
	Lym%	33.6	± 9.0	26.6	± 8.0	17.9	± 7.0	
	Mon%	9.9	± 9.9	8.4	± 8.4	8.3	± 8.3	
	Eos%	4.8	± 4.8	6.2	± 6.2	10.0	± 10.0	
	Bas%	1.0	± 1.0	1.1	± 1.1	1.7	± 1.7	
	RBC $\times10^{12}$/L	1.99	± 0.18	4.16	± 0.24	5.01	± 0.30	
	HGB g/L	55	± 4	128	± 6	163	± 8	
	HCT %	17.6	± 1.5	40.6	± 2.0	51.6	± 2.4	
	MCV fL	88.5	± 5.0	97.5	± 5.0	103.0	± 5.0	
	MCH pg	27.6	± 2.5	30.8	± 2.5	32.5	± 2.5	
	MCHC g/L	312	± 30	316	± 30	316	± 30	
	RDW-CV %	17.6	± 3.0	16.2	± 3.0	15.7	± 3.0	
	RDW-SD fL	55.9	± 8.0	57.3	± 8.0	58.7	± 8.0	
	PLT $\times10^9$/L	52	± 20	244	± 40	497	± 60	
	MPV fL	9.5	± 3.0	10.4	± 3.0	11.6	± 3.0	
	PCT %*	0.049	± 0.049	0.254	± 0.100	0.577	± 0.200	
	PDW*	15.6	± 3.0	16.5	± 3.0	16.4	± 3.0	
	P-LCC $\times10^9$/L**	12	± 12	72	± 25	184	± 35	
	P-LCR %**	23.5	± 10.0	29.6	± 10.0	37.0	± 10.0	

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

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BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2011B**

2021-01-10

		Low		Normal		High		++++
Instrument	**Parameter**	**LOT**	**BC2011BL**	**LOT**	**BC2011BN**	**LOT**	**BC2011BH**	
BC-5300Vet,BC-5100Vet	WBC $\times10^9$/L	3.10	± 0.50	7.40	± 1.00	17.10	± 2.50	
QC Mode	Neu# $\times10^9$/L	1.70	± 0.28	4.53	± 0.67	11.29	± 1.54	
	Lym# $\times10^9$/L	1.10	± 0.28	2.02	± 0.60	3.25	± 1.37	
	Mon# $\times10^9$/L	0.11	± 0.11	0.33	± 0.30	0.77	± 0.69	
	Eos# $\times10^9$/L	0.19	± 0.16	0.52	± 0.45	1.80	± 1.37	
	Neu%	54.8	± 9.0	61.2	± 9.0	66.0	± 9.0	
	Lym%	35.5	± 9.0	27.3	± 8.0	19.0	± 8.0	
	Mon%	3.5	± 3.5	4.5	± 4.0	4.5	± 4.0	
	Eos%	6.2	± 5.0	7.0	± 6.0	10.5	± 8.0	
	RBC $\times10^{12}$/L	1.99	± 0.18	4.12	± 0.24	4.96	± 0.30	
	HGB g/L	55	± 4	126	± 6	158	± 8	
	HCT %	17.8	± 1.5	41.2	± 2.0	53.2	± 2.4	
	MCV fL	89.5	± 5.0	100.0	± 5.0	107.3	± 5.0	
	MCH pg	27.6	± 2.5	30.6	± 2.5	31.9	± 2.5	
	MCHC g/L	309	± 30	306	± 30	297	± 30	
	RDW-CV %	14.5	± 3.0	13.5	± 3.0	13.0	± 3.0	
	RDW-SD fL	58.0	± 8.0	59.8	± 8.0	62.3	± 8.0	
	PLT $\times10^9$/L	49	± 20	228	± 40	464	± 60	
	MPV fL	7.6	± 3.0	8.8	± 3.0	9.6	± 3.0	
	PCT %*	0.050	± 0.050	0.200	± 0.100	0.448	± 0.200	
	PDW*	15.7	± 3.0	16.6	± 3.0	16.2	± 3.0	

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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