BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2209B**

2022-11-10

		Low		Normal		High	
Instrument	**Parameter**	**LOT**	**BC2209BL**	**LOT**	**BC2209BN**	**LOT**	**BC2209BH**
BC-5800, BC-5600	WBC $\times10^9$/L	3.47	± 0.50	8.06	± 1.00	18.11	± 2.50
QC Mode	Neu# $\times10^9$/L	1.64	± 0.32	4.49	± 0.73	11.52	± 1.63
	Lym# $\times10^9$/L	1.33	± 0.32	2.33	± 0.65	3.62	± 1.45
	Mon# $\times10^9$/L	0.29	± 0.21	0.57	± 0.49	1.16	± 0.91
	Eos# $\times10^9$/L	0.17	± 0.14	0.59	± 0.49	1.63	± 1.27
	Bas# $\times10^9$/L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18
	Neu%	47.3	± 9.0	55.7	± 9.0	63.6	± 9.0
	Lym%	38.3	± 9.0	28.9	± 8.0	20.0	± 8.0
	Mon%	8.5	± 6.0	7.1	± 6.0	6.4	± 5.0
	Eos%	4.9	± 4.0	7.3	± 6.0	9.0	± 7.0
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC $\times10^{12}$/L	2.14	± 0.18	4.24	± 0.24	5.06	± 0.30
	HGB g/L	58	± 4	133	± 6	171	± 8
	HCT %	17.7	± 1.5	40.1	± 2.0	52.4	± 2.4
	MCV fL	82.8	± 5.0	94.5	± 5.0	103.5	± 5.0
	MCH pg	27.1	± 2.5	31.4	± 2.5	33.8	± 2.5
	MCHC g/L	327	± 30	332	± 30	327	± 30
	RDW-CV %	16.0	± 3.0	13.9	± 3.0	13.7	± 3.0
	RDW-SD fL	47.2	± 10.0	48.6	± 10.0	53.1	± 10.0
	PLT $\times10^9$/L	48	± 20	252	± 40	505	± 60
	MPV fL	10.1	± 3.0	9.9	± 3.0	9.3	± 3.0
	PCT %*	0.048	± 0.048	0.249	± 0.100	0.470	± 0.200
	PDW*	17.0	± 3.0	16.2	± 3.0	15.7	± 3.0
	P-LCC $\times10^9$/L	19	± 15	91	± 25	140	± 35
	P-LCR %	39.8	± 10.0	36.2	± 10.0	27.8	± 10.0
BC-5390	WBC $\times10^9$/L	3.25	± 0.50	7.85	± 1.00	17.45	± 2.50
QC Mode	Neu# $\times10^9$/L	1.63	± 0.30	4.51	± 0.71	11.34	± 1.57
	Lym# $\times10^9$/L	1.20	± 0.30	2.20	± 0.71	3.32	± 1.23
	Mon# $\times10^9$/L	0.24	± 0.20	0.43	± 0.32	0.96	± 0.70
	Eos# $\times10^9$/L	0.18	± 0.14	0.71	± 0.56	1.83	± 1.40
	Bas# $\times10^9$/L	0.82	± 0.33	2.14	± 0.79	5.36	± 1.75
	Neu%	50.0	± 9.0	57.5	± 9.0	65.0	± 9.0
	Lym%	37.0	± 9.0	28.0	± 9.0	19.0	± 7.0
	Mon%	7.5	± 6.0	5.5	± 4.0	5.5	± 4.0
	Eos%	5.5	± 4.0	9.0	± 7.0	10.5	± 8.0
	Bas%	25.3	± 10.0	27.3	± 10.0	30.7	± 10.0
	RBC $\times10^{12}$/L	2.07	± 0.18	4.18	± 0.24	5.02	± 0.30
	HGB g/L	53	± 4	122	± 6	159	± 8
	HCT %	17.0	± 1.5	38.5	± 2.0	50.7	± 2.4
	MCV fL	82.0	± 5.0	92.0	± 5.0	101.0	± 5.0
	MCH pg	25.6	± 2.5	29.2	± 2.5	31.7	± 2.5
	MCHC g/L	312	± 30	317	± 30	314	± 30
	RDW-CV %	15.0	± 3.0	13.5	± 3.0	13.5	± 3.0
	RDW-SD fL	47.5	± 8.0	48.0	± 8.0	51.5	± 8.0
	PLT $\times10^9$/L	46	± 20	248	± 40	502	± 60
	MPV fL	12.9	± 3.0	12.6	± 3.0	11.9	± 3.0

* For Research Use Only

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

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2209B**

2022-11-10

		Low		Normal		High	++
Instrument	**Parameter**	LOT	**BC2209BL**	LOT	**BC2209BN**	LOT	**BC2209BH**
BC-5390 CRP	WBC $\times10^9$/L	3.26	± 0.50	7.82	± 1.00	17.39	± 2.50
QC Mode	Neu# $\times10^9$/L	1.60	± 0.30	4.59	± 0.71	11.20	± 1.57
	Lym# $\times10^9$/L	1.25	± 0.30	2.15	± 0.63	3.32	± 1.40
	Mon# $\times10^9$/L	0.22	± 0.17	0.41	± 0.40	1.04	± 0.87
	Eos# $\times10^9$/L	0.19	± 0.17	0.67	± 0.47	1.83	± 1.40
	Bas# $\times10^9$/L	0.83	± 0.33	2.13	± 0.78	5.34	± 1.74
	Neu%	49.2	± 9.0	58.7	± 9.0	64.4	± 9.0
	Lym%	38.4	± 9.0	27.5	± 8.0	19.1	± 8.0
	Mon%	6.6	± 5.0	5.2	± 5.0	6.0	± 5.0
	Eos%	5.8	± 5.0	8.6	± 6.0	10.5	± 8.0
	Bas%	25.6	± 10.0	27.3	± 10.0	30.7	± 10.0
	RBC $\times10^{12}$/L	2.09	± 0.18	4.18	± 0.24	5.00	± 0.30
	HGB g/L	54	± 4	124	± 6	161	± 8
	HCT %	16.8	± 1.5	38.9	± 2.0	50.9	± 2.4
	MCV fL	80.4	± 5.0	93.0	± 5.0	101.8	± 5.0
	MCH pg	25.8	± 2.5	29.7	± 2.5	32.2	± 2.5
	MCHC g/L	321	± 30	319	± 30	316	± 30
	RDW-CV %	15.8	± 3.0	14.2	± 3.0	14.0	± 3.0
	RDW-SD fL	45.1	± 8.0	46.2	± 8.0	50.5	± 8.0
	PLT $\times10^9$/L	43	± 20	243	± 40	494	± 60
	MPV fL	10.6	± 3.0	10.4	± 3.0	9.6	± 3.0
	PCT %*	0.046	± 0.046	0.253	± 0.100	0.474	± 0.200
	PDW*	16.3	± 3.0	16.1	± 3.0	16.0	± 3.0
	P-LCC $\times10^9$/L	14	± 14	73	± 25	116	± 35
	P-LCR %	33.7	± 10.0	30.2	± 10.0	23.4	± 10.0
BC-5300, BC-5100	WBC $\times10^9$/L	3.20	± 0.50	7.68	± 1.00	17.40	± 2.50
BC-5380, BC-5180	Neu# $\times10^9$/L	1.63	± 0.29	4.55	± 0.70	11.54	± 1.57
QC Mode	Lym# $\times10^9$/L	1.21	± 0.29	2.17	± 0.70	3.31	± 1.40
(Software version lower than 1.24.00.16860)	Mon# $\times10^9$/L	0.17	± 0.17	0.31	± 0.24	0.70	± 0.70
	Eos# $\times10^9$/L	0.19	± 0.16	0.65	± 0.46	1.86	± 1.40
	Bas# $\times10^9$/L	1.83	± 0.32	5.11	± 0.77	13.57	± 1.74
	Neu%	51.0	± 9.0	59.3	± 9.0	66.3	± 9.0
	Lym%	37.8	± 9.0	28.2	± 9.0	19.0	± 8.0
	Mon%	5.2	± 5.0	4.0	± 3.0	4.0	± 4.0
	Eos%	6.0	± 5.0	8.5	± 6.0	10.7	± 8.0
	Bas%	57.3	± 10.0	66.5	± 10.0	78.0	± 10.0
	RBC $\times10^{12}$/L	2.08	± 0.18	4.17	± 0.24	5.00	± 0.30
	HGB g/L	54	± 4	124	± 6	159	± 8
	HCT %	17.5	± 1.5	40.8	± 2.0	52.5	± 2.4
	MCV fL	84.3	± 5.0	97.8	± 5.0	105.0	± 5.0
	MCH pg	26.0	± 2.5	29.7	± 2.5	31.8	± 2.5
	MCHC g/L	308	± 30	304	± 30	303	± 30
	RDW-CV %	15.8	± 3.0	13.5	± 3.0	13.8	± 3.0
	RDW-SD fL	58.5	± 8.0	59.0	± 8.0	63.3	± 8.0
	PLT $\times10^9$/L	42	± 20	239	± 40	485	± 60
	MPV fL	10.4	± 3.0	10.2	± 3.0	9.4	± 3.0
	PCT %*	0.046	± 0.046	0.244	± 0.100	0.456	± 0.200
	PDW*	16.1	± 3.0	16.0	± 3.0	15.9	± 3.0

* For Research Use Only

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

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2209B**

2022-11-10

		Low		Normal		High		+++
Instrument	**Parameter**	**LOT**	**BC2209BL**	**LOT**	**BC2209BN**	**LOT**	**BC2209BH**	
BC-5300, BC-5100	WBC $\times10^9$/L	3.20	± 0.50	7.57	± 1.00	17.18	± 2.50	
BC-5380, BC-5180	Neu# $\times10^9$/L	1.59	± 0.29	4.53	± 0.69	11.22	± 1.55	
QC Mode	Lym# $\times10^9$/L	1.21	± 0.29	2.10	± 0.61	3.33	± 1.38	
(Software version 1.24.00.16860 or higher)	Mon# $\times10^9$/L	0.18	± 0.16	0.30	± 0.24	0.76	± 0.70	
	Eos# $\times10^9$/L	0.21	± 0.19	0.64	± 0.53	1.87	± 1.38	
	Bas# $\times10^9$/L	1.87	± 0.32	5.11	± 0.76	13.54	± 1.72	
	Neu%	49.7	± 9.0	59.9	± 9.0	65.3	± 9.0	
	Lym%	37.9	± 9.0	27.7	± 8.0	19.4	± 8.0	
	Mon%	5.7	± 5.0	3.9	± 3.0	4.4	± 4.0	
	Eos%	6.7	± 6.0	8.5	± 7.0	10.9	± 8.0	
	Bas%	58.5	± 10.0	67.5	± 10.0	78.8	± 10.0	
	RBC $\times10^{12}$/L	2.10	± 0.18	4.17	± 0.24	4.98	± 0.30	
	HGB g/L	54	± 4	124	± 6	160	± 8	
	HCT %	17.4	± 1.5	39.4	± 2.0	51.5	± 2.4	
	MCV fL	82.9	± 5.0	94.6	± 5.0	103.5	± 5.0	
	MCH pg	25.7	± 2.5	29.7	± 2.5	32.1	± 2.5	
	MCHC g/L	310	± 30	314	± 30	310	± 30	
	RDW-CV %	15.6	± 3.0	14.0	± 3.0	13.8	± 3.0	
	RDW-SD fL	54.8	± 8.0	55.5	± 8.0	60.7	± 8.0	
	PLT $\times10^9$/L	41	± 20	245	± 40	492	± 60	
	MPV fL	10.0	± 3.0	10.0	± 3.0	9.2	± 3.0	
	PCT %*	0.041	± 0.041	0.245	± 0.100	0.453	± 0.200	
	PDW*	16.1	± 3.0	16.1	± 3.0	16.0	± 3.0	
BC-5000, BC-5150, BC-5120	WBC $\times10^9$/L	3.30	± 0.50	7.67	± 1.00	17.24	± 2.50	
BC-5130, BC-5140, BC-5000VET	Neu# $\times10^9$/L	1.54	± 0.40	4.31	± 0.92	10.86	± 2.07	
QC Mode	Lym# $\times10^9$/L	1.24	± 0.30	2.09	± 0.62	3.10	± 1.21	
	Mon# $\times10^9$/L	0.32	± 0.32	0.58	± 0.58	1.22	± 1.22	
	Eos# $\times10^9$/L	0.17	± 0.17	0.58	± 0.58	1.74	± 1.74	
	Bas# $\times10^9$/L	0.03	± 0.03	0.11	± 0.11	0.31	± 0.31	
	Neu%	46.6	± 12.0	56.2	± 12.0	63.0	± 12.0	
	Lym%	37.6	± 9.0	27.3	± 8.0	18.0	± 7.0	
	Mon%	9.7	± 9.7	7.5	± 7.5	7.1	± 7.1	
	Eos%	5.1	± 5.1	7.6	± 7.6	10.1	± 10.1	
	Bas%	1.0	± 1.0	1.4	± 1.4	1.8	± 1.8	
	RBC $\times10^{12}$/L	2.09	± 0.18	4.21	± 0.24	5.06	± 0.30	
	HGB g/L	54	± 4	125	± 6	164	± 8	
	HCT %	17.4	± 1.5	39.6	± 2.0	51.2	± 2.4	
	MCV fL	83.1	± 5.0	94.1	± 5.0	101.2	± 5.0	
	MCH pg	25.8	± 2.5	29.7	± 2.5	32.4	± 2.5	
	MCHC g/L	311	± 30	316	± 30	320	± 30	
	RDW-CV %	18.8	± 3.0	16.3	± 3.0	16.2	± 3.0	
	RDW-SD fL	56.8	± 8.0	56.4	± 8.0	60.6	± 8.0	
	PLT $\times10^9$/L	44	± 20	247	± 40	505	± 60	
	MPV fL	11.9	± 3.0	12.2	± 3.0	11.2	± 3.0	
	PCT %*	0.052	± 0.050	0.301	± 0.100	0.566	± 0.200	
	PDW*	15.6	± 3.0	16.1	± 3.0	16.2	± 3.0	
	P-LCC $\times10^9$/L**	18	± 15	101	± 25	169	± 35	
	P-LCR %**	41.1	± 10.0	40.8	± 10.0	33.4	± 10.0	

* 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.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2209B**

2022-11-10

		Low		Normal		High		++++
Instrument	**Parameter**	**LOT**	**BC2209BL**	**LOT**	**BC2209BN**	**LOT**	**BC2209BH**	
BC-5300Vet, BC-5100Vet	WBC $\times10^9$/L	3.20	± 0.50	7.68	± 1.00	17.40	± 2.50	
QC Mode	Neu# $\times10^9$/L	1.63	± 0.29	4.55	± 0.70	11.54	± 1.57	
	Lym# $\times10^9$/L	1.21	± 0.29	2.17	± 0.70	3.31	± 1.40	
	Mon# $\times10^9$/L	0.17	± 0.17	0.31	± 0.24	0.70	± 0.70	
	Eos# $\times10^9$/L	0.19	± 0.16	0.65	± 0.46	1.86	± 1.40	
	Neu%	51.0	± 9.0	59.3	± 9.0	66.3	± 9.0	
	Lym%	37.8	± 9.0	28.2	± 9.0	19.0	± 8.0	
	Mon%	5.2	± 5.0	4.0	± 3.0	4.0	± 4.0	
	Eos%	6.0	± 5.0	8.5	± 6.0	10.7	± 8.0	
	RBC $\times10^{12}$/L	2.08	± 0.18	4.17	± 0.24	5.00	± 0.30	
	HGB g/L	54	± 4	124	± 6	159	± 8	
	HCT %	17.5	± 1.5	40.8	± 2.0	52.5	± 2.4	
	MCV fL	84.3	± 5.0	97.8	± 5.0	105.0	± 5.0	
	MCH pg	26.0	± 2.5	29.7	± 2.5	31.8	± 2.5	
	MCHC g/L	308	± 30	304	± 30	303	± 30	
	RDW-CV %	15.8	± 3.0	13.5	± 3.0	13.8	± 3.0	
	RDW-SD fL	58.5	± 8.0	59.0	± 8.0	63.3	± 8.0	
	PLT $\times10^9$/L	42	± 20	239	± 40	485	± 60	
	MPV fL	10.4	± 3.0	10.2	± 3.0	9.4	± 3.0	
	PCT %*	0.046	± 0.046	0.244	± 0.100	0.456	± 0.200	
	PDW*	16.1	± 3.0	16.0	± 3.0	15.9	± 3.0	

* For Research Use Only

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

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