BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2211B**

2023-01-10

		Low		Normal		High	
Instrument	**Parameter**	**LOT**	**BC2211BL**	**LOT**	**BC2211BN**	**LOT**	**BC2211BH**
BC-5800, BC-5600	WBC $\times10^9$/L	3.43	± 0.50	8.13	± 1.00	17.59	± 2.50
QC Mode	Neu# $\times10^9$/L	1.76	± 0.31	4.62	± 0.74	11.13	± 1.59
	Lym# $\times10^9$/L	1.23	± 0.31	2.27	± 0.66	3.36	± 1.41
	Mon# $\times10^9$/L	0.26	± 0.18	0.64	± 0.49	1.37	± 1.06
	Eos# $\times10^9$/L	0.15	± 0.14	0.52	± 0.41	1.55	± 1.24
	Bas# $\times10^9$/L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18
	Neu%	51.2	± 9.0	56.8	± 9.0	63.3	± 9.0
	Lym%	35.8	± 9.0	27.9	± 8.0	19.1	± 8.0
	Mon%	7.5	± 5.0	7.9	± 6.0	7.8	± 6.0
	Eos%	4.5	± 4.0	6.4	± 5.0	8.8	± 7.0
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC $\times10^{12}$/L	2.04	± 0.18	4.24	± 0.24	4.94	± 0.30
	HGB g/L	56	± 4	132	± 6	170	± 8
	HCT %	17.0	± 1.5	39.6	± 2.0	52.2	± 2.4
	MCV fL	83.4	± 5.0	93.3	± 5.0	105.6	± 5.0
	MCH pg	27.5	± 2.5	31.1	± 2.5	34.4	± 2.5
	MCHC g/L	329	± 30	334	± 30	326	± 30
	RDW-CV %	15.5	± 3.0	14.6	± 3.0	13.6	± 3.0
	RDW-SD fL	45.4	± 10.0	49.4	± 10.0	52.5	± 10.0
	PLT $\times10^9$/L	50	± 20	253	± 40	505	± 60
	MPV fL	8.0	± 3.0	9.3	± 3.0	9.1	± 3.0
	PCT %*	0.040	± 0.040	0.235	± 0.100	0.460	± 0.200
	PDW*	16.0	± 3.0	16.6	± 3.0	15.9	± 3.0
	P-LCC $\times10^9$/L	10	± 10	78	± 25	142	± 35
	P-LCR %	20.6	± 10.0	31.0	± 10.0	28.1	± 10.0
BC-5390	WBC $\times10^9$/L	3.15	± 0.50	7.75	± 1.00	17.00	± 2.50
QC Mode	Neu# $\times10^9$/L	1.73	± 0.29	4.61	± 0.70	11.22	± 1.53
	Lym# $\times10^9$/L	1.10	± 0.29	1.98	± 0.70	2.98	± 1.37
	Mon# $\times10^9$/L	0.16	± 0.13	0.58	± 0.47	1.11	± 0.86
	Eos# $\times10^9$/L	0.16	± 0.13	0.58	± 0.47	1.70	± 1.36
	Bas# $\times10^9$/L	0.79	± 0.32	2.15	± 0.78	5.29	± 1.71
	Neu%	55.0	± 9.0	59.5	± 9.0	66.0	± 9.0
	Lym%	35.0	± 9.0	25.5	± 9.0	17.5	± 8.0
	Mon%	5.0	± 4.0	7.5	± 6.0	6.5	± 5.0
	Eos%	5.0	± 4.0	7.5	± 6.0	10.0	± 8.0
	Bas%	25.0	± 10.0	27.8	± 10.0	31.1	± 10.0
	RBC $\times10^{12}$/L	1.98	± 0.18	4.23	± 0.24	4.93	± 0.30
	HGB g/L	51	± 4	122	± 6	158	± 8
	HCT %	16.2	± 1.5	38.5	± 2.0	50.5	± 2.4
	MCV fL	82.0	± 5.0	91.0	± 5.0	102.5	± 5.0
	MCH pg	25.8	± 2.5	28.8	± 2.5	32.0	± 2.5
	MCHC g/L	314	± 30	317	± 30	313	± 30
	RDW-CV %	15.0	± 3.0	14.5	± 3.0	13.5	± 3.0
	RDW-SD fL	46.0	± 8.0	49.5	± 8.0	51.0	± 8.0
	PLT $\times10^9$/L	51	± 20	252	± 40	497	± 60
	MPV fL	11.1	± 3.0	12.2	± 3.0	11.8	± 3.0

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BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2211B**

2023-01-10

		Low		Normal		High	++
Instrument	**Parameter**	**LOT**	**BC2211BL**	**LOT**	**BC2211BN**	**LOT**	**BC2211BH**
BC-5390 CRP	WBC ×10^9/L	3.12	± 0.50	7.66	± 1.00	16.80	± 2.50
BC-5310 CRP	Neu# ×10^9/L	1.70	± 0.28	4.61	± 0.69	11.05	± 1.52
QC Mode	Lym# ×10^9/L	1.09	± 0.29	1.96	± 0.62	2.91	± 1.35
	Mon# ×10^9/L	0.16	± 0.16	0.52	± 0.39	1.13	± 0.85
	Eos# ×10^9/L	0.17	± 0.16	0.57	± 0.46	1.71	± 1.35
	Bas# ×10^9/L	0.78	± 0.32	2.13	± 0.77	5.24	± 1.68
	Neu%	54.7	± 9.0	60.1	± 9.0	65.8	± 9.0
	Lym%	34.9	± 9.0	25.6	± 8.0	17.3	± 8.0
	Mon%	5.0	± 5.0	6.8	± 5.0	6.7	± 5.0
	Eos%	5.4	± 5.0	7.5	± 6.0	10.2	± 8.0
	Bas%	25.0	± 10.0	27.8	± 10.0	31.2	± 10.0
	RBC ×10^{12}/L	1.99	± 0.18	4.22	± 0.24	4.93	± 0.30
	HGB g/L	52	± 4	123	± 6	159	± 8
	HCT %	16.3	± 1.5	38.4	± 2.0	50.7	± 2.4
	MCV fL	81.9	± 5.0	91.1	± 5.0	102.8	± 5.0
	MCH pg	26.1	± 2.5	29.1	± 2.5	32.3	± 2.5
	MCHC g/L	319	± 30	320	± 30	314	± 30
	RDW-CV %	15.4	± 3.0	15.0	± 3.0	13.9	± 3.0
	RDW-SD fL	45.3	± 8.0	49.1	± 8.0	51.0	± 8.0
	PLT ×10^9/L	48	± 20	250	± 40	494	± 60
	MPV fL	9.2	± 3.0	10.3	± 3.0	9.8	± 3.0
	PCT %*	0.044	± 0.044	0.258	± 0.100	0.484	± 0.200
	PDW*	15.6	± 3.0	16.7	± 3.0	16.1	± 3.0
	P-LCC ×10^9/L	9	± 9	72	± 25	121	± 35
	P-LCR %	18.9	± 10.0	28.9	± 10.0	24.4	± 10.0
BC-5300, BC-5100	WBC ×10^9/L	3.20	± 0.50	7.75	± 1.00	17.00	± 2.50
BC-5380, BC-5180	Neu# ×10^9/L	1.76	± 0.29	4.73	± 0.70	11.39	± 1.53
QC Mode	Lym# ×10^9/L	1.10	± 0.29	2.05	± 0.70	3.06	± 1.36
(Software version lower than 1.24.00.16860)	Mon# ×10^9/L	0.13	± 0.10	0.39	± 0.32	0.85	± 0.85
	Eos# ×10^9/L	0.21	± 0.17	0.58	± 0.47	1.70	± 1.36
	Bas# ×10^9/L	1.78	± 0.32	5.16	± 0.78	13.41	± 1.70
	Neu%	55.0	± 9.0	61.0	± 9.0	67.0	± 9.0
	Lym%	34.5	± 9.0	26.5	± 9.0	18.0	± 8.0
	Mon%	4.0	± 3.0	5.0	± 4.0	5.0	± 5.0
	Eos%	6.5	± 5.0	7.5	± 6.0	10.0	± 8.0
	Bas%	55.7	± 10.0	66.6	± 10.0	78.9	± 10.0
	RBC ×10^{12}/L	2.00	± 0.18	4.21	± 0.24	4.93	± 0.30
	HGB g/L	53	± 4	123	± 6	159	± 8
	HCT %	17.0	± 1.5	40.2	± 2.0	53.0	± 2.4
	MCV fL	85.0	± 5.0	95.5	± 5.0	107.5	± 5.0
	MCH pg	26.5	± 2.5	29.2	± 2.5	32.3	± 2.5
	MCHC g/L	312	± 30	306	± 30	300	± 30
	RDW-CV %	15.3	± 3.0	14.5	± 3.0	13.5	± 3.0
	RDW-SD fL	57.0	± 8.0	60.5	± 8.0	62.5	± 8.0
	PLT ×10^9/L	47	± 20	239	± 40	477	± 60
	MPV fL	8.7	± 3.0	9.7	± 3.0	9.4	± 3.0
	PCT %*	0.040	± 0.040	0.230	± 0.100	0.445	± 0.200
	PDW*	15.7	± 3.0	16.6	± 3.0	16.0	± 3.0

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BC-5D
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2211B**

2023-01-10

		Low		Normal		High		+++
Instrument	**Parameter**	**LOT**	**BC2211BL**	**LOT**	**BC2211BN**	**LOT**	**BC2211BH**	
BC-5300, BC-5100	WBC ×10^9/L	3.06	± 0.50	7.45	± 1.00	16.44	± 2.50	
BC-5380, BC-5180	Neu# ×10^9/L	1.70	± 0.28	4.62	± 0.67	10.96	± 1.48	
QC Mode	Lym# ×10^9/L	1.02	± 0.28	1.91	± 0.60	2.86	± 1.32	
(Software version 1.24.00.16860 or higher)	Mon# ×10^9/L	0.14	± 0.13	0.34	± 0.30	0.89	± 0.66	
	Eos# ×10^9/L	0.20	± 0.16	0.58	± 0.45	1.73	± 1.32	
	Bas# ×10^9/L	1.76	± 0.31	5.07	± 0.75	13.07	± 1.65	
	Neu%	55.6	± 9.0	62.0	± 9.0	66.7	± 9.0	
	Lym%	33.3	± 9.0	25.6	± 8.0	17.4	± 8.0	
	Mon%	4.6	± 4.0	4.6	± 4.0	5.4	± 4.0	
	Eos%	6.5	± 5.0	7.8	± 6.0	10.5	± 8.0	
	Bas%	57.5	± 10.0	68.0	± 10.0	79.5	± 10.0	
	RBC ×10^{12}/L	2.00	± 0.18	4.16	± 0.24	4.88	± 0.30	
	HGB g/L	53	± 4	122	± 6	159	± 8	
	HCT %	16.7	± 1.5	38.8	± 2.0	51.2	± 2.4	
	MCV fL	83.6	± 5.0	93.2	± 5.0	104.9	± 5.0	
	MCH pg	26.5	± 2.5	29.3	± 2.5	32.6	± 2.5	
	MCHC g/L	317	± 30	315	± 30	311	± 30	
	RDW-CV %	15.5	± 3.0	14.8	± 3.0	13.8	± 3.0	
	RDW-SD fL	53.4	± 8.0	57.5	± 8.0	60.2	± 8.0	
	PLT ×10^9/L	46	± 20	243	± 40	489	± 60	
	MPV fL	8.6	± 3.0	9.6	± 3.0	9.2	± 3.0	
	PCT %*	0.040	± 0.040	0.233	± 0.100	0.450	± 0.200	
	PDW*	15.7	± 3.0	16.6	± 3.0	16.1	± 3.0	
BC-5000, BC-5150, BC-5120	WBC ×10^9/L	3.27	± 0.50	7.92	± 1.00	16.82	± 2.50	
BC-5130, BC-5140, BC-5000VET	Neu# ×10^9/L	1.73	± 0.40	4.81	± 0.95	11.02	± 2.02	
QC Mode	Lym# ×10^9/L	1.11	± 0.30	2.03	± 0.64	2.86	± 1.18	
	Mon# ×10^9/L	0.24	± 0.24	0.43	± 0.43	0.99	± 0.99	
	Eos# ×10^9/L	0.16	± 0.16	0.55	± 0.55	1.65	± 1.65	
	Bas# ×10^9/L	0.03	± 0.03	0.10	± 0.10	0.30	± 0.30	
	Neu%	52.9	± 12.0	60.8	± 12.0	65.5	± 12.0	
	Lym%	33.8	± 9.0	25.6	± 8.0	17.0	± 7.0	
	Mon%	7.4	± 7.4	5.4	± 5.4	5.9	± 5.9	
	Eos%	4.9	± 4.9	7.0	± 7.0	9.8	± 9.8	
	Bas%	1.0	± 1.0	1.2	± 1.2	1.8	± 1.8	
	RBC ×10^{12}/L	1.98	± 0.18	4.21	± 0.24	4.93	± 0.30	
	HGB g/L	53	± 4	124	± 6	162	± 8	
	HCT %	16.5	± 1.5	38.9	± 2.0	50.6	± 2.4	
	MCV fL	83.3	± 5.0	92.3	± 5.0	102.6	± 5.0	
	MCH pg	26.8	± 2.5	29.5	± 2.5	32.9	± 2.5	
	MCHC g/L	321	± 30	319	± 30	320	± 30	
	RDW-CV %	18.7	± 3.0	17.4	± 3.0	15.9	± 3.0	
	RDW-SD fL	56.0	± 8.0	58.4	± 8.0	59.6	± 8.0	
	PLT ×10^9/L	48	± 20	249	± 40	503	± 60	
	MPV fL	10.4	± 3.0	11.3	± 3.0	11.1	± 3.0	
	PCT %*	0.050	± 0.050	0.281	± 0.100	0.558	± 0.200	
	PDW*	15.5	± 3.0	16.5	± 3.0	16.3	± 3.0	
	P-LCC ×10^9/L**	14	± 14	87	± 25	162	± 35	
	P-LCR %**	29.3	± 10.0	34.9	± 10.0	32.3	± 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 **BC2211B**

2023-01-10

		Low		Normal		High	++++
Instrument	**Parameter**	**LOT**	**BC2211BL**	**LOT**	**BC2211BN**	**LOT**	**BC2211BH**
BC-5300Vet, BC-5100Vet	WBC $\times10^9$/L	3.20	± 0.50	7.75	± 1.00	17.00	± 2.50
QC Mode	Neu# $\times10^9$/L	1.76	± 0.29	4.73	± 0.70	11.39	± 1.53
	Lym# $\times10^9$/L	1.10	± 0.29	2.05	± 0.70	3.06	± 1.36
	Mon# $\times10^9$/L	0.13	± 0.10	0.39	± 0.32	0.85	± 0.85
	Eos# $\times10^9$/L	0.21	± 0.17	0.58	± 0.47	1.70	± 1.36
	Neu%	55.0	± 9.0	61.0	± 9.0	67.0	± 9.0
	Lym%	34.5	± 9.0	26.5	± 9.0	18.0	± 8.0
	Mon%	4.0	± 3.0	5.0	± 4.0	5.0	± 5.0
	Eos%	6.5	± 5.0	7.5	± 6.0	10.0	± 8.0
	RBC $\times10^{12}$/L	2.00	± 0.18	4.21	± 0.24	4.93	± 0.30
	HGB g/L	53	± 4	123	± 6	159	± 8
	HCT %	17.0	± 1.5	40.2	± 2.0	53.0	± 2.4
	MCV fL	85.0	± 5.0	95.5	± 5.0	107.5	± 5.0
	MCH pg	26.5	± 2.5	29.2	± 2.5	32.3	± 2.5
	MCHC g/L	312	± 30	306	± 30	300	± 30
	RDW-CV %	15.3	± 3.0	14.5	± 3.0	13.5	± 3.0
	RDW-SD fL	57.0	± 8.0	60.5	± 8.0	62.5	± 8.0
	PLT $\times10^9$/L	47	± 20	239	± 40	477	± 60
	MPV fL	8.7	± 3.0	9.7	± 3.0	9.4	± 3.0
	PCT %*	0.040	± 0.040	0.230	± 0.100	0.445	± 0.200
	PDW*	15.7	± 3.0	16.6	± 3.0	16.0	± 3.0

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