BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2201B**

2022-03-10

		Low		Normal		High	
Instrument	**Parameter**	**LOT**	**BC2201BL**	**LOT**	**BC2201BN**	**LOT**	**BC2201BH**
BC-5800,BC-5600	WBC $\times10^9$/L	3.48	± 0.50	8.17	± 1.00	17.95	± 2.50
QC Mode	Neu# $\times10^9$/L	1.69	± 0.32	4.51	± 0.74	11.45	± 1.62
	Lym# $\times10^9$/L	1.34	± 0.32	2.43	± 0.66	3.43	± 1.44
	Mon# $\times10^9$/L	0.23	± 0.21	0.61	± 0.49	1.35	± 1.08
	Eos# $\times10^9$/L	0.18	± 0.15	0.54	± 0.50	1.54	± 1.44
	Bas# $\times10^9$/L	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18
	Neu%	48.6	± 9.0	55.2	± 9.0	63.8	± 9.0
	Lym%	38.6	± 9.0	29.7	± 8.0	19.1	± 8.0
	Mon%	6.7	± 6.0	7.5	± 6.0	7.5	± 6.0
	Eos%	5.1	± 4.0	6.6	± 6.0	8.6	± 8.0
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC $\times10^{12}$/L	2.08	± 0.18	4.17	± 0.24	5.02	± 0.30
	HGB g/L	59	± 4	132	± 6	170	± 8
	HCT %	18.0	± 1.5	40.0	± 2.0	52.4	± 2.4
	MCV fL	86.7	± 5.0	95.9	± 5.0	104.3	± 5.0
	MCH pg	28.4	± 2.5	31.7	± 2.5	33.9	± 2.5
	MCHC g/L	327	± 30	330	± 30	325	± 30
	RDW-CV %	14.6	± 3.0	14.0	± 3.0	13.6	± 3.0
	RDW-SD fL	45.5	± 10.0	49.2	± 10.0	52.9	± 10.0
	PLT $\times10^9$/L	52	± 20	242	± 40	496	± 60
	MPV fL	7.0	± 3.0	9.0	± 3.0	8.6	± 3.0
	PCT %*	0.036	± 0.036	0.218	± 0.100	0.427	± 0.200
	PDW*	15.8	± 3.0	17.2	± 3.0	16.6	± 3.0
	P-LCC $\times10^9$/L	7	± 7	67	± 25	126	± 35
	P-LCR %	13.3	± 10.0	27.8	± 10.0	25.5	± 10.0
BC-5390	WBC $\times10^9$/L	3.30	± 0.50	7.90	± 1.00	17.25	± 2.50
QC Mode	Neu# $\times10^9$/L	1.72	± 0.30	4.50	± 0.72	11.39	± 1.56
	Lym# $\times10^9$/L	1.19	± 0.30	2.33	± 0.72	3.02	± 1.21
	Mon# $\times10^9$/L	0.21	± 0.20	0.43	± 0.40	1.12	± 1.04
	Eos# $\times10^9$/L	0.18	± 0.17	0.63	± 0.48	1.73	± 1.39
	Bas# $\times10^9$/L	0.87	± 0.33	2.16	± 0.79	5.38	± 1.73
	Neu%	52.0	± 9.0	57.0	± 9.0	66.0	± 9.0
	Lym%	36.0	± 9.0	29.5	± 9.0	17.5	± 7.0
	Mon%	6.5	± 6.0	5.5	± 5.0	6.5	± 6.0
	Eos%	5.5	± 5.0	8.0	± 6.0	10.0	± 8.0
	Bas%	26.4	± 10.0	27.4	± 10.0	31.2	± 10.0
	RBC $\times10^{12}$/L	2.00	± 0.18	4.10	± 0.24	4.97	± 0.30
	HGB g/L	53	± 4	121	± 6	157	± 8
	HCT %	16.9	± 1.5	38.1	± 2.0	50.2	± 2.4
	MCV fL	84.5	± 5.0	93.0	± 5.0	101.0	± 5.0
	MCH pg	26.5	± 2.5	29.5	± 2.5	31.6	± 2.5
	MCHC g/L	314	± 30	317	± 30	313	± 30
	RDW-CV %	14.0	± 3.0	13.5	± 3.0	13.5	± 3.0
	RDW-SD fL	46.0	± 8.0	48.5	± 8.0	51.0	± 8.0
	PLT $\times10^9$/L	48	± 20	227	± 40	468	± 60
	MPV fL	10.0	± 3.0	11.8	± 3.0	11.3	± 3.0

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BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2201B**

2022-03-10

		Low		Normal		High	++
Instrument	**Parameter**	LOT	**BC2201BL**	LOT	**BC2201BN**	LOT	**BC2201BH**
BC-5390 CRP	WBC ×10^9/L	3.23	± 0.50	7.85	± 1.00	17.25	± 2.50
QC Mode	Neu# ×10^9/L	1.65	± 0.29	4.46	± 0.71	11.39	± 1.56
	Lym# ×10^9/L	1.21	± 0.29	2.29	± 0.63	3.12	± 1.38
	Mon# ×10^9/L	0.18	± 0.18	0.49	± 0.40	1.09	± 1.04
	Eos# ×10^9/L	0.18	± 0.16	0.61	± 0.47	1.66	± 1.39
	Bas# ×10^9/L	0.87	± 0.33	2.17	± 0.79	5.36	± 1.73
	Neu%	51.2	± 9.0	56.8	± 9.0	66.0	± 9.0
	Lym%	37.4	± 9.0	29.2	± 8.0	18.1	± 8.0
	Mon%	5.7	± 5.7	6.2	± 5.0	6.3	± 6.0
	Eos%	5.7	± 5.0	7.8	± 6.0	9.6	± 8.0
	Bas%	26.9	± 10.0	27.7	± 10.0	31.1	± 10.0
	RBC ×10^{12}/L	2.00	± 0.18	4.11	± 0.24	5.00	± 0.30
	HGB g/L	55	± 4	121	± 6	158	± 8
	HCT %	17.0	± 1.5	38.7	± 2.0	51.5	± 2.4
	MCV fL	84.8	± 5.0	94.2	± 5.0	102.9	± 5.0
	MCH pg	27.5	± 2.5	29.4	± 2.5	31.6	± 2.5
	MCHC g/L	324	± 30	313	± 30	307	± 30
	RDW-CV %	14.7	± 3.0	14.2	± 3.0	14.1	± 3.0
	RDW-SD fL	43.8	± 8.0	47.2	± 8.0	50.7	± 8.0
	PLT ×10^9/L	46	± 20	226	± 40	473	± 60
	MPV fL	7.7	± 3.0	9.6	± 3.0	9.1	± 3.0
	PCT %*	0.035	± 0.035	0.217	± 0.100	0.430	± 0.200
	PDW*	15.7	± 3.0	17.1	± 3.0	16.8	± 3.0
	P-LCC ×10^9/L	5	± 5	57	± 25	107	± 35
	P-LCR %	11.5	± 10.0	25.2	± 10.0	22.6	± 10.0
BC-5300,BC-5100	WBC ×10^9/L	3.18	± 0.50	7.63	± 1.00	17.05	± 2.50
BC-5380,BC-5180	Neu# ×10^9/L	1.67	± 0.29	4.49	± 0.69	11.56	± 1.54
QC Mode	Lym# ×10^9/L	1.15	± 0.29	2.11	± 0.61	2.90	± 1.37
(Software version lower than 1.24.00.16860)	Mon# ×10^9/L	0.15	± 0.13	0.42	± 0.39	0.85	± 0.68
	Eos# ×10^9/L	0.21	± 0.20	0.61	± 0.46	1.74	± 1.37
	Bas# ×10^9/L	1.93	± 0.32	5.15	± 0.77	13.42	± 1.71
	Neu%	52.5	± 9.0	58.8	± 9.0	67.8	± 9.0
	Lym%	36.3	± 9.0	27.7	± 8.0	17.0	± 8.0
	Mon%	4.7	± 4.0	5.5	± 5.0	5.0	± 4.0
	Eos%	6.5	± 6.0	8.0	± 6.0	10.2	± 8.0
	Bas%	60.6	± 10.0	67.5	± 10.0	78.7	± 10.0
	RBC ×10^{12}/L	2.02	± 0.18	4.11	± 0.24	4.94	± 0.30
	HGB g/L	55	± 4	121	± 6	157	± 8
	HCT %	17.8	± 1.5	39.8	± 2.0	52.3	± 2.4
	MCV fL	88.0	± 5.0	96.8	± 5.0	105.8	± 5.0
	MCH pg	27.2	± 2.5	29.4	± 2.5	31.8	± 2.5
	MCHC g/L	309	± 30	304	± 30	300	± 30
	RDW-CV %	14.5	± 3.0	13.8	± 3.0	13.8	± 3.0
	RDW-SD fL	56.3	± 8.0	59.7	± 8.0	62.5	± 8.0
	PLT ×10^9/L	47	± 20	214	± 40	452	± 60
	MPV fL	7.6	± 3.0	9.2	± 3.0	8.8	± 3.0
	PCT %*	0.035	± 0.035	0.197	± 0.100	0.395	± 0.200
	PDW*	15.8	± 3.0	17.0	± 3.0	16.7	± 3.0

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BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2201B**

2022-03-10

		Low		Normal		High	+++
Instrument	**Parameter**	**LOT**	**BC2201BL**	**LOT**	**BC2201BN**	**LOT**	**BC2201BH**
BC-5300,BC-5100	WBC $\times10^9$/L	3.24	± 0.50	7.87	± 1.00	17.26	± 2.50
BC-5380,BC-5180	Neu# $\times10^9$/L	1.70	± 0.30	4.60	± 0.71	11.69	± 1.56
QC Mode	Lym# $\times10^9$/L	1.18	± 0.30	2.21	± 0.63	2.92	± 1.39
(Software version 1.24.00.16860 or higher)	Mon# $\times10^9$/L	0.16	± 0.14	0.43	± 0.40	0.86	± 0.69
	Eos# $\times10^9$/L	0.20	± 0.16	0.62	± 0.48	1.80	± 1.56
	Bas# $\times10^9$/L	1.97	± 0.33	5.33	± 0.79	13.69	± 1.73
	Neu%	52.4	± 9.0	58.5	± 9.0	67.7	± 9.0
	Lym%	36.5	± 9.0	28.1	± 8.0	16.9	± 8.0
	Mon%	4.8	± 4.0	5.5	± 5.0	5.0	± 4.0
	Eos%	6.3	± 5.0	7.9	± 6.0	10.4	± 9.0
	Bas%	60.9	± 10.0	67.7	± 10.0	79.3	± 10.0
	RBC $\times10^{12}$/L	2.01	± 0.18	4.10	± 0.24	4.98	± 0.30
	HGB g/L	55	± 4	122	± 6	160	± 8
	HCT %	17.3	± 1.5	39.4	± 2.0	52.1	± 2.4
	MCV fL	86.0	± 5.0	96.0	± 5.0	104.6	± 5.0
	MCH pg	27.4	± 2.5	29.8	± 2.5	32.1	± 2.5
	MCHC g/L	318	± 30	310	± 30	307	± 30
	RDW-CV %	14.5	± 3.0	14.0	± 3.0	14.0	± 3.0
	RDW-SD fL	52.1	± 8.0	56.4	± 8.0	60.4	± 8.0
	PLT $\times10^9$/L	47	± 20	221	± 40	467	± 60
	MPV fL	7.4	± 3.0	9.1	± 3.0	8.7	± 3.0
	PCT %*	0.035	± 0.035	0.201	± 0.100	0.406	± 0.200
	PDW*	15.7	± 3.0	17.1	± 3.0	16.8	± 3.0
BC-5000,BC-5150,BC-5120	WBC $\times10^9$/L	3.28	± 0.50	7.83	± 1.00	17.10	± 2.50
BC-5130,BC-5140,BC-5000VET	Neu# $\times10^9$/L	1.60	± 0.40	4.29	± 0.94	10.96	± 2.06
QC Mode	Lym# $\times10^9$/L	1.16	± 0.30	2.21	± 0.63	2.79	± 1.20
	Mon# $\times10^9$/L	0.31	± 0.31	0.71	± 0.71	1.47	± 1.47
	Eos# $\times10^9$/L	0.18	± 0.18	0.52	± 0.52	1.59	± 1.59
	Bas# $\times10^9$/L	0.03	± 0.03	0.09	± 0.09	0.29	± 0.29
	Neu%	48.7	± 12.0	54.8	± 12.0	64.1	± 12.0
	Lym%	35.5	± 9.0	28.2	± 8.0	16.3	± 7.0
	Mon%	9.4	± 9.4	9.1	± 9.1	8.6	± 8.6
	Eos%	5.4	± 5.4	6.7	± 6.7	9.3	± 9.3
	Bas%	1.0	± 1.0	1.2	± 1.2	1.7	± 1.7
	RBC $\times10^{12}$/L	2.03	± 0.18	4.20	± 0.24	5.09	± 0.30
	HGB g/L	55	± 4	124	± 6	163	± 8
	HCT %	17.5	± 1.5	39.3	± 2.0	51.3	± 2.4
	MCV fL	86.0	± 5.0	93.5	± 5.0	100.7	± 5.0
	MCH pg	27.1	± 2.5	29.5	± 2.5	32.0	± 2.5
	MCHC g/L	315	± 30	316	± 30	318	± 30
	RDW-CV %	17.6	± 3.0	16.6	± 3.0	16.1	± 3.0
	RDW-SD fL	55.2	± 8.0	56.9	± 8.0	59.7	± 8.0
	PLT $\times10^9$/L	50	± 20	232	± 40	495	± 60
	MPV fL	9.5	± 3.0	10.9	± 3.0	10.3	± 3.0
	PCT %*	0.048	± 0.048	0.253	± 0.100	0.510	± 0.200
	PDW*	15.6	± 3.0	17.0	± 3.0	16.9	± 3.0
	P-LCC $\times10^9$/L**	12	± 12	74	± 25	143	± 35
	P-LCR %**	24.0	± 10.0	32.1	± 10.0	28.8	± 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 **BC2201B**

2022-03-10

		Low		Normal		High	++++
Instrument	**Parameter**	LOT	**BC2201BL**	LOT	**BC2201BN**	LOT	**BC2201BH**
BC-5300Vet,BC-5100Vet	WBC $\times10^9$/L	3.18	± 0.50	7.63	± 1.00	17.05	± 2.50
QC Mode	Neu# $\times10^9$/L	1.67	± 0.29	4.49	± 0.69	11.56	± 1.54
	Lym# $\times10^9$/L	1.15	± 0.29	2.11	± 0.61	2.90	± 1.37
	Mon# $\times10^9$/L	0.15	± 0.13	0.42	± 0.39	0.85	± 0.68
	Eos# $\times10^9$/L	0.21	± 0.20	0.61	± 0.46	1.74	± 1.37
	Neu%	52.5	± 9.0	58.8	± 9.0	67.8	± 9.0
	Lym%	36.3	± 9.0	27.7	± 8.0	17.0	± 8.0
	Mon%	4.7	± 4.0	5.5	± 5.0	5.0	± 4.0
	Eos%	6.5	± 6.0	8.0	± 6.0	10.2	± 8.0
	RBC $\times10^{12}$/L	2.02	± 0.18	4.11	± 0.24	4.94	± 0.30
	HGB g/L	55	± 4	121	± 6	157	± 8
	HCT %	17.8	± 1.5	39.8	± 2.0	52.3	± 2.4
	MCV fL	88.0	± 5.0	96.8	± 5.0	105.8	± 5.0
	MCH pg	27.2	± 2.5	29.4	± 2.5	31.8	± 2.5
	MCHC g/L	309	± 30	304	± 30	300	± 30
	RDW-CV %	14.5	± 3.0	13.8	± 3.0	13.8	± 3.0
	RDW-SD fL	56.3	± 8.0	59.7	± 8.0	62.5	± 8.0
	PLT $\times10^9$/L	47	± 20	214	± 40	452	± 60
	MPV fL	7.6	± 3.0	9.2	± 3.0	8.8	± 3.0
	PCT %*	0.035	± 0.035	0.197	± 0.100	0.395	± 0.200
	PDW*	15.8	± 3.0	17.0	± 3.0	16.7	± 3.0

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