BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2101B**

2021-03-10

		Low		Normal		High	
Instrument	**Parameter**	**LOT**	**BC2101BL**	**LOT**	**BC2101BN**	**LOT**	**BC2101BH**
BC-5800,BC-5600	WBC $\times10^9$/L	3.51	± 0.50	8.00	± 1.00	17.72	± 2.50
QC Mode	Neu# $\times10^9$/L	1.69	± 0.32	4.44	± 0.72	11.22	± 1.60
	Lym# $\times10^9$/L	1.36	± 0.32	2.41	± 0.65	3.44	± 1.42
	Mon# $\times10^9$/L	0.26	± 0.22	0.53	± 0.49	1.36	± 1.06
	Eos# $\times10^9$/L	0.17	± 0.15	0.54	± 0.48	1.52	± 1.24
	Bas# $\times10^9$/L	0.04	± 0.04	0.08	± 0.08	0.18	± 0.18
	Neu%	48.1	± 9.0	55.5	± 9.0	63.3	± 9.0
	Lym%	38.7	± 9.0	30.1	± 8.0	19.4	± 8.0
	Mon%	7.4	± 6.0	6.6	± 6.0	7.7	± 6.0
	Eos%	4.8	± 4.0	6.8	± 6.0	8.6	± 7.0
	Bas%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC $\times10^{12}$/L	1.98	± 0.18	4.26	± 0.24	4.89	± 0.30
	HGB g/L	57	± 4	135	± 6	169	± 8
	HCT %	17.3	± 1.5	40.5	± 2.0	51.5	± 2.4
	MCV fL	87.6	± 5.0	95.0	± 5.0	105.4	± 5.0
	MCH pg	28.8	± 2.5	31.7	± 2.5	34.6	± 2.5
	MCHC g/L	329	± 30	334	± 30	328	± 30
	RDW-CV %	15.7	± 3.0	14.4	± 3.0	13.5	± 3.0
	RDW-SD fL	48.4	± 10.0	51.4	± 10.0	54.2	± 10.0
	PLT $\times10^9$/L	54	± 20	246	± 40	502	± 60
	MPV fL	8.4	± 3.0	8.8	± 3.0	9.1	± 3.0
	PCT %*	0.045	± 0.045	0.216	± 0.100	0.457	± 0.200
	PDW*	15.6	± 3.0	16.3	± 3.0	16.5	± 3.0
	P-LCC $\times10^9$/L	12	± 12	63	± 25	143	± 35
	P-LCR %	21.6	± 10.0	25.6	± 10.0	28.5	± 10.0
BC-5390	WBC $\times10^9$/L	3.30	± 0.50	7.80	± 1.00	16.90	± 2.50
QC Mode	Neu# $\times10^9$/L	1.70	± 0.30	4.52	± 0.71	11.07	± 1.53
	Lym# $\times10^9$/L	1.17	± 0.30	2.07	± 0.63	2.96	± 1.19
	Mon# $\times10^9$/L	0.23	± 0.20	0.59	± 0.48	1.27	± 1.02
	Eos# $\times10^9$/L	0.20	± 0.17	0.62	± 0.47	1.61	± 1.36
	Bas# $\times10^9$/L	0.87	± 0.34	2.17	± 0.79	5.27	± 1.69
	Neu%	51.5	± 9.0	58.0	± 9.0	65.5	± 9.0
	Lym%	35.5	± 9.0	26.5	± 8.0	17.5	± 7.0
	Mon%	7.0	± 6.0	7.5	± 6.0	7.5	± 6.0
	Eos%	6.0	± 5.0	8.0	± 6.0	9.5	± 8.0
	Bas%	26.3	± 10.0	27.8	± 10.0	31.2	± 10.0
	RBC $\times10^{12}$/L	1.88	± 0.18	4.18	± 0.24	4.83	± 0.30
	HGB g/L	51	± 4	123	± 6	156	± 8
	HCT %	16.4	± 1.5	38.9	± 2.0	49.5	± 2.4
	MCV fL	87.0	± 5.0	93.0	± 5.0	102.5	± 5.0
	MCH pg	27.1	± 2.5	29.4	± 2.5	32.3	± 2.5
	MCHC g/L	312	± 30	316	± 30	315	± 30
	RDW-CV %	15.0	± 3.0	14.0	± 3.0	13.5	± 3.0
	RDW-SD fL	48.5	± 8.0	50.0	± 8.0	52.5	± 8.0
	PLT $\times10^9$/L	52	± 20	239	± 40	486	± 60
	MPV fL	11.1	± 3.0	11.6	± 3.0	11.8	± 3.0

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BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2101B**

2021-03-10

		Low		Normal		High		++
Instrument	**Parameter**	LOT	**BC2101BL**	LOT	**BC2101BN**	LOT	**BC2101BH**	
BC-5390 CRP	WBC $\times10^9$/L	3.29	± 0.50	7.76	± 1.00	17.09	± 2.50	
QC Mode	Neu# $\times10^9$/L	1.68	± 0.30	4.45	± 0.70	11.16	± 1.54	
	Lym# $\times10^9$/L	1.18	± 0.30	2.15	± 0.63	3.06	± 1.37	
	Mon# $\times10^9$/L	0.23	± 0.20	0.54	± 0.40	1.16	± 0.86	
	Eos# $\times10^9$/L	0.19	± 0.17	0.62	± 0.47	1.71	± 1.37	
	Bas# $\times10^9$/L	0.87	± 0.34	2.19	± 0.78	5.28	± 1.71	
	Neu%	51.1	± 9.0	57.4	± 9.0	65.3	± 9.0	
	Lym%	36.0	± 9.0	27.7	± 8.0	17.9	± 8.0	
	Mon%	7.0	± 6.0	6.9	± 5.0	6.8	± 5.0	
	Eos%	5.9	± 5.0	8.0	± 6.0	10.0	± 8.0	
	Bas%	26.3	± 10.0	28.2	± 10.0	30.9	± 10.0	
	RBC $\times10^{12}$/L	1.91	± 0.18	4.19	± 0.24	4.84	± 0.30	
	HGB g/L	53	± 4	125	± 6	157	± 8	
	HCT %	16.3	± 1.5	39.0	± 2.0	49.9	± 2.4	
	MCV fL	85.1	± 5.0	93.1	± 5.0	103.0	± 5.0	
	MCH pg	27.7	± 2.5	29.8	± 2.5	32.4	± 2.5	
	MCHC g/L	326	± 30	320	± 30	315	± 30	
	RDW-CV %	15.5	± 3.0	14.7	± 3.0	14.1	± 3.0	
	RDW-SD fL	46.8	± 8.0	49.6	± 8.0	51.9	± 8.0	
	PLT $\times10^9$/L	50	± 20	238	± 40	486	± 60	
	MPV fL	9.1	± 3.0	9.3	± 3.0	9.6	± 3.0	
	PCT %*	0.046	± 0.046	0.221	± 0.100	0.467	± 0.200	
	PDW*	15.2	± 3.0	16.3	± 3.0	16.5	± 3.0	
	P-LCC $\times10^9$/L	9	± 9	53	± 25	126	± 35	
	P-LCR %	18.7	± 10.0	22.3	± 10.0	25.9	± 10.0	
BC-5300,BC-5100	WBC $\times10^9$/L	3.20	± 0.50	7.70	± 1.00	16.95	± 2.50	
BC-5380,BC-5180	Neu# $\times10^9$/L	1.73	± 0.29	4.64	± 0.70	11.44	± 1.53	
QC Mode	Lym# $\times10^9$/L	1.14	± 0.29	2.13	± 0.62	2.92	± 1.36	
(Software version lower than 1.24.00.16860)	Mon# $\times10^9$/L	0.14	± 0.13	0.35	± 0.32	0.93	± 0.85	
	Eos# $\times10^9$/L	0.19	± 0.16	0.58	± 0.47	1.66	± 1.36	
	Bas# $\times10^9$/L	1.96	± 0.33	5.25	± 0.77	13.24	± 1.70	
	Neu%	54.0	± 9.0	60.3	± 9.0	67.5	± 9.0	
	Lym%	35.5	± 9.0	27.7	± 8.0	17.2	± 8.0	
	Mon%	4.5	± 4.0	4.5	± 4.0	5.5	± 5.0	
	Eos%	6.0	± 5.0	7.5	± 6.0	9.8	± 8.0	
	Bas%	61.2	± 10.0	68.2	± 10.0	78.1	± 10.0	
	RBC $\times10^{12}$/L	1.93	± 0.18	4.23	± 0.24	4.87	± 0.30	
	HGB g/L	53	± 4	125	± 6	157	± 8	
	HCT %	17.4	± 1.5	41.4	± 2.0	52.6	± 2.4	
	MCV fL	90.0	± 5.0	97.8	± 5.0	108.0	± 5.0	
	MCH pg	27.5	± 2.5	29.6	± 2.5	32.2	± 2.5	
	MCHC g/L	305	± 30	302	± 30	299	± 30	
	RDW-CV %	15.3	± 3.0	14.3	± 3.0	13.5	± 3.0	
	RDW-SD fL	60.0	± 8.0	61.3	± 8.0	64.5	± 8.0	
	PLT $\times10^9$/L	49	± 20	229	± 40	463	± 60	
	MPV fL	9.0	± 3.0	9.1	± 3.0	9.4	± 3.0	
	PCT %*	0.050	± 0.050	0.207	± 0.100	0.430	± 0.200	
	PDW*	15.4	± 3.0	16.3	± 3.0	16.6	± 3.0	

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BC-5D
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2101B**

2021-03-10

		Low		Normal		High		+++
Instrument	**Parameter**	**LOT**	**BC2101BL**	**LOT**	**BC2101BN**	**LOT**	**BC2101BH**	
BC-5300,BC-5100	WBC $\times10^9$/L	3.25	± 0.50	7.79	± 1.00	17.02	± 2.50	
BC-5380,BC-5180	Neu# $\times10^9$/L	1.76	± 0.30	4.67	± 0.71	11.44	± 1.54	
QC Mode	Lym# $\times10^9$/L	1.13	± 0.30	2.16	± 0.63	2.94	± 1.36	
(Software version 1.24.00.16860 or higher)	Mon# $\times10^9$/L	0.17	± 0.14	0.35	± 0.32	0.95	± 0.85	
	Eos# $\times10^9$/L	0.19	± 0.17	0.62	± 0.48	1.68	± 1.36	
	Bas# $\times10^9$/L	1.99	± 0.33	5.38	± 0.78	13.41	± 1.71	
	Neu%	54.3	± 9.0	59.9	± 9.0	67.2	± 9.0	
	Lym%	34.7	± 9.0	27.7	± 8.0	17.3	± 8.0	
	Mon%	5.1	± 4.0	4.5	± 4.0	5.6	± 5.0	
	Eos%	5.9	± 5.0	7.9	± 6.0	9.9	± 8.0	
	Bas%	61.2	± 10.0	69.1	± 10.0	78.8	± 10.0	
	RBC $\times10^{12}$/L	1.90	± 0.18	4.16	± 0.24	4.81	± 0.30	
	HGB g/L	53	± 4	124	± 6	157	± 8	
	HCT %	16.6	± 1.5	39.9	± 2.0	51.2	± 2.4	
	MCV fL	87.5	± 5.0	96.0	± 5.0	106.5	± 5.0	
	MCH pg	27.9	± 2.5	29.8	± 2.5	32.6	± 2.5	
	MCHC g/L	319	± 30	310	± 30	306	± 30	
	RDW-CV %	15.4	± 3.0	14.6	± 3.0	13.8	± 3.0	
	RDW-SD fL	55.3	± 8.0	58.5	± 8.0	61.5	± 8.0	
	PLT $\times10^9$/L	49	± 20	232	± 40	478	± 60	
	MPV fL	8.6	± 3.0	8.9	± 3.0	9.2	± 3.0	
	PCT %*	0.042	± 0.042	0.206	± 0.100	0.440	± 0.200	
	PDW*	15.4	± 3.0	16.4	± 3.0	16.7	± 3.0	
BC-5000,BC-5150,BC-5120	WBC $\times10^9$/L	3.34	± 0.50	7.67	± 1.00	16.93	± 2.50	
BC-5130,BC-5140,BC-5000VET	Neu# $\times10^9$/L	1.64	± 0.41	4.26	± 0.93	10.72	± 2.04	
QC Mode	Lym# $\times10^9$/L	1.16	± 0.30	2.06	± 0.62	2.76	± 1.19	
	Mon# $\times10^9$/L	0.33	± 0.33	0.69	± 0.69	1.61	± 1.61	
	Eos# $\times10^9$/L	0.18	± 0.18	0.56	± 0.56	1.57	± 1.57	
	Bas# $\times10^9$/L	0.03	± 0.03	0.10	± 0.10	0.27	± 0.27	
	Neu%	49.0	± 12.0	55.5	± 12.0	63.3	± 12.0	
	Lym%	34.8	± 9.0	26.9	± 8.0	16.3	± 7.0	
	Mon%	9.8	± 9.8	9.0	± 9.0	9.5	± 9.5	
	Eos%	5.4	± 5.4	7.3	± 7.3	9.3	± 9.3	
	Bas%	1.0	± 1.0	1.3	± 1.3	1.6	± 1.6	
	RBC $\times10^{12}$/L	1.93	± 0.18	4.25	± 0.24	4.87	± 0.30	
	HGB g/L	53	± 4	126	± 6	160	± 8	
	HCT %	17.0	± 1.5	40.2	± 2.0	50.4	± 2.4	
	MCV fL	88.0	± 5.0	94.5	± 5.0	103.5	± 5.0	
	MCH pg	27.5	± 2.5	29.6	± 2.5	32.9	± 2.5	
	MCHC g/L	312	± 30	314	± 30	317	± 30	
	RDW-CV %	19.0	± 3.0	17.1	± 3.0	16.3	± 3.0	
	RDW-SD fL	59.4	± 8.0	59.3	± 8.0	60.7	± 8.0	
	PLT $\times10^9$/L	52	± 20	240	± 40	500	± 60	
	MPV fL	10.8	± 3.0	10.7	± 3.0	11.2	± 3.0	
	PCT %*	0.056	± 0.056	0.257	± 0.100	0.560	± 0.200	
	PDW*	15.2	± 3.0	16.2	± 3.0	16.7	± 3.0	
	P-LCC $\times10^9$/L**	16	± 15	72	± 25	165	± 35	
	P-LCR %**	30.7	± 10.0	29.8	± 10.0	32.9	± 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 **BC2101B**

2021-03-10

		Low		Normal		High		++++
Instrument	**Parameter**	LOT	**BC2101BL**	LOT	**BC2101BN**	LOT	**BC2101BH**	
BC-5300Vet,BC-5100Vet	WBC $\times10^9$/L	3.20	± 0.50	7.70	± 1.00	16.95	± 2.50	
QC Mode	Neu# $\times10^9$/L	1.73	± 0.29	4.64	± 0.70	11.44	± 1.53	
	Lym# $\times10^9$/L	1.14	± 0.29	2.13	± 0.62	2.92	± 1.36	
	Mon# $\times10^9$/L	0.14	± 0.13	0.35	± 0.32	0.93	± 0.85	
	Eos# $\times10^9$/L	0.19	± 0.16	0.58	± 0.47	1.66	± 1.36	
	Neu%	54.0	± 9.0	60.3	± 9.0	67.5	± 9.0	
	Lym%	35.5	± 9.0	27.7	± 8.0	17.2	± 8.0	
	Mon%	4.5	± 4.0	4.5	± 4.0	5.5	± 5.0	
	Eos%	6.0	± 5.0	7.5	± 6.0	9.8	± 8.0	
	RBC $\times10^{12}$/L	1.93	± 0.18	4.23	± 0.24	4.87	± 0.30	
	HGB g/L	53	± 4	125	± 6	157	± 8	
	HCT %	17.4	± 1.5	41.4	± 2.0	52.6	± 2.4	
	MCV fL	90.0	± 5.0	97.8	± 5.0	108.0	± 5.0	
	MCH pg	27.5	± 2.5	29.6	± 2.5	32.2	± 2.5	
	MCHC g/L	305	± 30	302	± 30	299	± 30	
	RDW-CV %	15.3	± 3.0	14.3	± 3.0	13.5	± 3.0	
	RDW-SD fL	60.0	± 8.0	61.3	± 8.0	64.5	± 8.0	
	PLT $\times10^9$/L	49	± 20	229	± 40	463	± 60	
	MPV fL	9.0	± 3.0	9.1	± 3.0	9.4	± 3.0	
	PCT %*	0.050	± 0.050	0.207	± 0.100	0.430	± 0.200	
	PDW*	15.4	± 3.0	16.3	± 3.0	16.6	± 3.0	

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