

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT MB0325A



2025-05-10

Instrument	Parameter		Low		Normal		High	
			LOT	MB0325AL	LOT	MB0325AN	LOT	MB0325AH
BC-7500[B] CRP	WBC	$\times 10^9/L$	3.65	± 0.50	7.38	± 1.00	20.65	± 2.50
BC-7500[N] CRP	Neu#	$\times 10^9/L$	2.09	± 0.37	3.63	± 0.74	11.05	± 2.07
BC-7500[R] CRP	Lym#	$\times 10^9/L$	0.88	± 0.30	2.68	± 0.60	7.00	± 1.66
BC-7500[NR] CRP	Mon#	$\times 10^9/L$	0.12	± 0.12	0.36	± 0.36	0.97	± 0.97
BC-7300[B] CRP	Eos#	$\times 10^9/L$	0.51	± 0.33	0.61	± 0.61	1.34	± 1.34
BC-7300[R] CRP	Bas#	$\times 10^9/L$	0.05	± 0.05	0.10	± 0.10	0.29	± 0.29
BC-7300[NR] CRP	Neu%	%	57.0	± 10.0	49.2	± 10.0	53.5	± 10.0
BC-7500[B] CS	Lym%	%	24.0	± 8.0	36.3	± 8.0	33.9	± 8.0
BC-7500[N] CS	Mon%	%	3.4	± 3.4	4.9	± 4.9	4.7	± 4.7
BC-7500[R] CS	Eos%	%	14.1	± 9.0	8.2	± 8.2	6.5	± 6.5
BC-7500[NR] CS	Bas%	%	1.5	± 1.5	1.4	± 1.4	1.4	± 1.4
QC Mode	RBC	$\times 10^{12}/L$	2.27	± 0.18	4.25	± 0.24	5.12	± 0.30
	HGB	g/dL	5.8	± 0.4	12.2	± 0.6	15.7	± 0.8
	HCT	%	19.3	± 1.5	39.4	± 2.0	51.1	± 2.4
	MCV	fL	85.1	± 5.0	92.8	± 5.0	99.9	± 5.0
	MCH	pg	25.6	± 2.5	28.7	± 2.5	30.7	± 2.5
	MCHC	g/dL	30.0	± 3.0	30.9	± 3.0	30.7	± 3.0
	RDW-CV	%	18.2	± 3.0	15.5	± 3.0	14.4	± 3.0
	RDW-SD	fL	56.5	± 6.0	52.5	± 6.0	52.2	± 8.0
	PLT	$\times 10^9/L$	54	± 20	210	± 40	394	± 60
	MPV	fL	10.8	± 3.0	11.6	± 3.0	11.8	± 3.0
	PDW	/	16.9	± 3.0	16.6	± 3.0	16.8	± 3.0
	PCT	%	0.058	± 0.050	0.244	± 0.100	0.465	± 0.200
	P-LCR	%	34.3	± 20.0	37.9	± 10.0	39.5	± 10.0
	P-LCC	$\times 10^9/L$	19	± 12	80	± 24	156	± 50
	IMG#	$\times 10^9/L$	0.05	± 0.39	0.09	± 0.75	0.27	± 2.08
	IMG%	%	1.3	± 10.0	1.2	± 10.0	1.3	± 10.0
	NRBC#	$\times 10^9/L$	0.330	± 0.330	0.308	± 0.308	0.436	± 0.436
	NRBC%	/100WBC	9.04	± 9.04	4.18	± 4.18	2.11	± 2.11

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			LOT	MB0325AL	LOT	MB0325AN	LOT	MB0325AH
BC-6800	WBC	$\times 10^9/L$	3.67	± 0.50	7.28	± 1.00	20.04	± 2.50
BC-6600	Neu#	$\times 10^9/L$	2.07	± 0.37	3.58	± 0.73	10.71	± 2.01
QC Mode	Lym#	$\times 10^9/L$	0.90	± 0.30	2.64	± 0.59	6.83	± 1.61
	Mon#	$\times 10^9/L$	0.13	± 0.13	0.36	± 0.36	0.92	± 0.90
	Eos#	$\times 10^9/L$	0.53	± 0.34	0.62	± 0.62	1.32	± 1.30
	Bas#	$\times 10^9/L$	0.04	± 0.19	0.08	± 0.37	0.26	± 1.00
	Neu%	%	56.6	± 10.0	49.1	± 10.0	53.4	± 10.0
	Lym%	%	24.4	± 8.0	36.3	± 8.0	34.1	± 8.0
	Mon%	%	3.5	± 3.5	5.0	± 5.0	4.6	± 4.5
	Eos%	%	14.4	± 9.0	8.5	± 8.5	6.6	± 6.5
	Bas%	%	1.1	± 5.0	1.1	± 5.0	1.3	± 5.0
	RBC	$\times 10^{12}/L$	2.31	± 0.18	4.27	± 0.24	5.07	± 0.30
	HGB	g/dL	6.0	± 0.4	12.2	± 0.6	15.6	± 0.8
	HCT	%	19.6	± 1.5	39.2	± 2.0	50.0	± 2.4
	MCV	fL	84.9	± 5.0	91.7	± 5.0	98.6	± 5.0
	MCH	pg	26.0	± 2.5	28.6	± 2.5	30.8	± 2.5
	MCHC	g/dL	30.6	± 3.0	31.2	± 3.0	31.2	± 3.0
	RDW-CV	%	17.1	± 3.0	15.7	± 3.0	14.6	± 3.0
	RDW-SD	fL	51.1	± 6.0	50.3	± 6.0	51.5	± 8.0
	PLT	$\times 10^9/L$	52	± 20	210	± 40	402	± 60
	MPV	fL	10.6	± 3.0	11.1	± 3.0	11.5	± 3.0
	PDW	/	16.4	± 3.0	16.4	± 3.0	16.8	± 3.0
	PCT	%	0.055	± 0.050	0.233	± 0.100	0.462	± 0.200
	P-LCR	%	33.0	± 20.0	34.5	± 10.0	36.8	± 10.0
	P-LCC	$\times 10^9/L$	17	± 12	72	± 24	148	± 50
	IMG#*	$\times 10^9/L$	0.05	± 0.39	0.09	± 0.70	0.26	± 2.00
	IMG%*	%	1.3	± 10.0	1.3	± 10.0	1.3	± 10.0
	NRBC#	$\times 10^9/L$	0.414	± 0.414	0.367	± 0.367	0.535	± 0.535
	NRBC%	/100WBC	11.27	± 11.27	5.04	± 5.04	2.67	± 2.67

*Software version 1.09 or higher.

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LOT MB0325A



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Instrument	Parameter		Low		Normal		High	
			LOT	MB0325AL	LOT	MB0325AN	LOT	MB0325AH
BC-6800Plus	WBC	$\times 10^9/L$	3.75	± 0.50	7.38	± 1.00	20.54	± 2.50
BC-6700Plus	Neu#	$\times 10^9/L$	2.15	± 0.38	3.70	± 0.74	10.87	± 2.06
BC-6600Plus	Lym#	$\times 10^9/L$	0.91	± 0.31	2.63	± 0.60	7.07	± 1.65
QC Mode	Mon#	$\times 10^9/L$	0.13	± 0.13	0.37	± 0.37	0.97	± 0.97
	Eos#	$\times 10^9/L$	0.50	± 0.34	0.58	± 0.52	1.34	± 1.34
	Bas#	$\times 10^9/L$	0.06	± 0.06	0.10	± 0.10	0.29	± 0.29
	Neu%	%	57.5	± 10.0	50.1	± 10.0	53.0	± 10.0
	Lym%	%	24.2	± 8.0	35.6	± 8.0	34.4	± 8.0
	Mon%	%	3.4	± 3.4	5.0	± 5.0	4.7	± 4.7
	Eos%	%	13.4	± 9.0	7.9	± 7.0	6.5	± 6.5
	Bas%	%	1.5	± 1.5	1.4	± 1.4	1.4	± 1.4
	RBC	$\times 10^{12}/L$	2.34	± 0.18	4.29	± 0.24	5.09	± 0.30
	HGB	g/dL	6.0	± 0.4	12.2	± 0.6	15.6	± 0.8
	HCT	%	19.9	± 1.5	39.6	± 2.0	50.6	± 2.4
	MCV	fL	84.9	± 5.0	92.3	± 5.0	99.4	± 5.0
	MCH	pg	25.6	± 2.5	28.4	± 2.5	30.6	± 2.5
	MCHC	g/dL	30.2	± 3.0	30.8	± 3.0	30.8	± 3.0
	RDW-CV	%	17.0	± 3.0	15.2	± 3.0	14.5	± 3.0
	RDW-SD	fL	50.8	± 6.0	49.9	± 6.0	50.9	± 8.0
	PLT	$\times 10^9/L$	52	± 20	210	± 40	402	± 60
	PLT-H	$\times 10^9/L$	53	± 20	210	± 40	403	± 60
	MPV	fL	10.6	± 3.0	11.3	± 3.0	11.5	± 3.0
	PDW	/	16.4	± 3.0	16.4	± 3.0	16.6	± 3.0
	PCT	%	0.055	± 0.050	0.237	± 0.100	0.462	± 0.200
	P-LCR	%	32.6	± 20.0	35.5	± 10.0	36.9	± 10.0
	P-LCC	$\times 10^9/L$	17	± 12	75	± 24	148	± 50
	IMG#	$\times 10^9/L$	0.05	± 0.39	0.10	± 0.77	0.27	± 2.08
	IMG%	%	1.3	± 10.0	1.3	± 10.0	1.3	± 10.0
	NRBC#	$\times 10^9/L$	0.333	± 0.333	0.311	± 0.311	0.452	± 0.452
	NRBC%	/100WBC	8.89	± 8.89	4.21	± 4.21	2.20	± 2.20
	Micro%	%	3.3	± 15.0	2.7	± 4.0	2.1	± 2.5
	Macro%	%	4.2	± 3.0	4.4	± 5.0	5.3	± 10.0
	Neu-X	/	374.9	± 120.0	384.3	± 120.0	390.8	± 120.0
	Neu-Y	/	513.9	± 120.0	516.0	± 150.0	509.8	± 150.0
	Mon-X	/	214.5	± 120.0	210.8	± 120.0	216.8	± 120.0
	PLT-I	$\times 10^9/L$	52	± 20	210	± 40	402	± 60
	ESR*	mm/h	37.65	± 10.00	16.43	± 4.00	/	± /

*The ESR is applicable to software version 1.25 or higher, but not applicable for High level.

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LOT MB0325A



2025-05-10

Instrument	Parameter	Low		Normal		High	
		LOT	MB0325AL	LOT	MB0325AN	LOT	MB0325AH
BC-6000	WBC	$\times 10^9/L$	3.57 \pm 0.50		7.29 \pm 1.00		20.39 \pm 2.50
BC-6100	Neu#	$\times 10^9/L$	2.04 \pm 0.36		3.59 \pm 0.74		10.80 \pm 2.04
BC-6200	Lym#	$\times 10^9/L$	0.86 \pm 0.29		2.65 \pm 0.59		6.93 \pm 1.64
BC-6000Plus	Mon#	$\times 10^9/L$	0.12 \pm 0.12		0.36 \pm 0.36		1.00 \pm 1.00
BC-6100Plus	Eos#	$\times 10^9/L$	0.50 \pm 0.23		0.58 \pm 0.51		1.35 \pm 1.23
QC Mode	Bas#	$\times 10^9/L$	0.05 \pm 0.05		0.11 \pm 0.11		0.31 \pm 0.31
	Neu%	%	56.7 \pm 10.0		49.1 \pm 10.0		53.0 \pm 10.0
	Lym%	%	24.2 \pm 8.0		36.4 \pm 8.0		34.0 \pm 8.0
	Mon%	%	3.5 \pm 3.5		5.0 \pm 5.0		4.9 \pm 4.9
	Eos%	%	14.1 \pm 6.5		8.0 \pm 7.0		6.6 \pm 6.0
	Bas%	%	1.5 \pm 1.5		1.5 \pm 1.5		1.5 \pm 1.5
	RBC	$\times 10^{12}/L$	2.32 \pm 0.18		4.29 \pm 0.24		5.14 \pm 0.30
	HGB	g/dL	6.0 \pm 0.4		12.2 \pm 0.6		15.7 \pm 0.8
	HCT	%	20.1 \pm 1.5		39.6 \pm 2.0		50.3 \pm 2.4
	MCV	fL	86.6 \pm 5.0		92.3 \pm 5.0		97.8 \pm 5.0
	MCH	pg	25.9 \pm 2.5		28.4 \pm 2.5		30.5 \pm 2.5
	MCHC	g/dL	29.9 \pm 3.0		30.8 \pm 3.0		31.2 \pm 3.0
	RDW-CV	%	17.6 \pm 3.0		15.8 \pm 3.0		14.6 \pm 3.0
	RDW-SD	fL	54.5 \pm 6.0		52.5 \pm 6.0		52.6 \pm 8.0
	PLT	$\times 10^9/L$	55 \pm 20		216 \pm 40		420 \pm 60
	MPV	fL	11.9 \pm 3.0		12.0 \pm 3.0		11.9 \pm 3.0
	PDW	/	16.5 \pm 3.0		16.2 \pm 3.0		16.5 \pm 3.0
	PCT	%	0.065 \pm 0.050		0.259 \pm 0.100		0.500 \pm 0.200
	P-LCR	%	38.4 \pm 20.0		40.0 \pm 10.0		40.2 \pm 10.0
	P-LCC	$\times 10^9/L$	21 \pm 12		86 \pm 24		169 \pm 50
	IMG#	$\times 10^9/L$	0.05 \pm 0.36		0.10 \pm 0.72		0.29 \pm 2.08
	IMG%	%	1.4 \pm 10.0		1.4 \pm 10.0		1.4 \pm 10.0
	NRBC#	$\times 10^9/L$	0.321 \pm 0.321		0.316 \pm 0.316		0.447 \pm 0.447
	NRBC%	/100WBC	8.98 \pm 8.98		4.34 \pm 4.34		2.19 \pm 2.19
	Micro%	%	3.3 \pm 15.0		2.7 \pm 4.0		2.1 \pm 2.5
	Macro%	%	4.6 \pm 3.0		5.4 \pm 5.0		6.5 \pm 10.0
	Neu-X	/	388.8 \pm 120.0		396.1 \pm 120.0		410.6 \pm 120.0
	Neu-Y	/	517.8 \pm 120.0		521.3 \pm 150.0		520.3 \pm 150.0
	Mon-X	/	217.0 \pm 120.0		217.7 \pm 120.0		215.5 \pm 120.0
	PLT-I	$\times 10^9/L$	55 \pm 20		216 \pm 40		420 \pm 60

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2025-05-10

Instrument	Parameter		Low		Normal		High	
			LOT	MB0325AL	LOT	MB0325AN	LOT	MB0325AH
BC-700[B]	WBC	$\times 10^9/L$	3.64	± 0.50	7.49	± 1.00	21.04	± 2.50
BC-760[B]	Neu#	$\times 10^9/L$	2.17	± 0.37	3.88	± 0.76	11.60	± 2.11
BC-700[B] CS	Lym#	$\times 10^9/L$	0.87	± 0.30	2.67	± 0.60	7.13	± 1.69
BC-760[B] CS	Mon#	$\times 10^9/L$	0.12	± 0.12	0.37	± 0.37	0.99	± 0.99
BC-700[R]	Eos#	$\times 10^9/L$	0.43	± 0.43	0.47	± 0.47	1.03	± 1.03
BC-720[R]	Bas#	$\times 10^9/L$	0.05	± 0.18	0.10	± 0.36	0.29	± 1.04
BC-760[R]	Neu%	%	59.4	± 10.0	51.6	± 10.0	55.1	± 10.0
BC-700[R] CS	Lym%	%	23.9	± 8.0	35.7	± 8.0	33.9	± 8.0
BC-760[R] CS	Mon%	%	3.4	± 3.4	5.0	± 5.0	4.7	± 4.7
BP 200n	Eos%	%	11.9	± 11.9	6.3	± 6.3	4.9	± 4.9
BP 260n	Bas%	%	1.4	± 5.0	1.4	± 5.0	1.4	± 5.0
QC Mode	RBC	$\times 10^{12}/L$	2.30	± 0.18	4.27	± 0.24	5.12	± 0.30
	HGB	g/dL	5.9	± 0.4	12.1	± 0.6	15.5	± 0.8
	HCT	%	19.8	± 1.5	40.1	± 2.0	51.7	± 2.4
	MCV	fL	86.3	± 5.0	94.0	± 5.0	101.0	± 5.0
	MCH	pg	25.7	± 2.5	28.3	± 2.5	30.3	± 2.5
	MCHC	g/dL	29.7	± 3.0	30.1	± 3.0	30.0	± 3.0
	RDW-CV	%	18.2	± 3.0	15.5	± 3.0	14.4	± 3.0
	RDW-SD	fL	57.2	± 6.0	53.5	± 6.0	52.9	± 8.0
	PLT	$\times 10^9/L$	55	± 20	214	± 40	399	± 60
	PLT-H	$\times 10^9/L$	56	± 20	217	± 40	404	± 60
	MPV	fL	10.9	± 3.0	11.6	± 3.0	11.7	± 3.0
	PDW	/	16.7	± 3.0	16.5	± 3.0	16.8	± 3.0
	PCT	%	0.060	± 0.050	0.248	± 0.100	0.467	± 0.200
	P-LCR	%	34.3	± 20.0	37.6	± 10.0	38.5	± 10.0
	P-LCC	$\times 10^9/L$	19	± 12	80	± 24	154	± 50
	IMG#	$\times 10^9/L$	0.05	± 0.39	0.10	± 0.77	0.27	± 2.08
	IMG%	%	1.3	± 10.0	1.3	± 10.0	1.3	± 10.0
	NRBC#	$\times 10^9/L$	0.082	± 0.082	0.150	± 0.150	0.448	± 0.448
	NRBC%	/100WBC	2.26	± 2.26	2.00	± 2.00	2.13	± 2.13
	IPF	%	2.4	± 5.0	2.5	± 5.0	2.4	± 5.0
	ESR	mm/h	39.09	± 10.00	15.49	± 4.00	/	± /

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Instrument	Parameter		Low		Normal		High	
			LOT	MB0325AL	LOT	MB0325AN	LOT	MB0325AH
BC-7600	WBC	$\times 10^9/L$	3.72	± 0.80	7.53	± 1.00	20.99	± 2.50
BC-7800	Neu#	$\times 10^9/L$	2.13	± 0.50	3.75	± 0.80	11.16	± 2.00
BC-7900	Lym#	$\times 10^9/L$	0.88	± 0.40	2.68	± 0.80	7.14	± 1.60
(Not applicable to Russia)	Mon#	$\times 10^9/L$	0.13	± 0.12	0.37	± 0.38	0.99	± 0.80
	Eos#	$\times 10^9/L$	0.52	± 0.30	0.62	± 0.50	1.41	± 1.20
	Bas#	$\times 10^9/L$	0.06	± 0.10	0.11	± 0.10	0.29	± 0.29
	Neu%	%	57.5	± 12.0	49.8	± 10.0	53.2	± 10.0
	Lym%	%	23.7	± 9.5	35.6	± 10.0	34.0	± 8.0
	Mon%	%	3.4	± 3.0	4.9	± 4.0	4.7	± 3.5
	Eos%	%	13.9	± 7.0	8.2	± 6.0	6.7	± 6.0
	Bas%	%	1.5	± 1.0	1.5	± 1.0	1.4	± 1.5
	RBC	$\times 10^{12}/L$	2.28	± 0.18	4.27	± 0.24	5.12	± 0.30
	HGB	g/dL	5.9	± 0.4	12.2	± 0.6	15.7	± 0.8
	HCT	%	19.5	± 2.0	39.8	± 2.5	51.3	± 3.0
	MCV	fL	85.4	± 5.0	93.1	± 5.0	100.1	± 5.0
	MCH	pg	25.9	± 2.5	28.6	± 2.5	30.7	± 2.5
	MCHC	g/dL	30.3	± 3.0	30.7	± 3.0	30.6	± 3.0
	RDW-CV	%	18.2	± 5.0	15.5	± 5.0	14.4	± 6.0
	RDW-SD	fL	56.4	± 10.0	52.5	± 10.0	52.1	± 12.0
	PLT	$\times 10^9/L$	53	± 20	205	± 40	389	± 60
	PLT-H	$\times 10^9/L$	54	± 20	208	± 40	395	± 60
	MPV	fL	10.9	± 3.0	11.5	± 3.0	11.7	± 3.0
	PDW	/	16.7	± 5.0	16.5	± 5.0	16.8	± 5.0
	PCT	%	0.058	± 0.050	0.236	± 0.100	0.455	± 0.200
	P-LCR	%	34.9	± 10.0	37.2	± 10.0	38.8	± 10.0
	P-LCC	$\times 10^9/L$	18	± 8	76	± 24	151	± 50
	IMG#	$\times 10^9/L$	0.04	± 0.50	0.09	± 0.90	0.25	± 2.20
	IMG%	%	1.2	± 10.0	1.2	± 10.0	1.2	± 10.0
	NRBC#	$\times 10^9/L$	0.338	± 0.300	0.322	± 0.500	0.430	± 0.300
	NRBC%	/100WBC	9.09	± 10.00	4.27	± 10.00	2.05	± 10.00
	Micro%	%	3.1	± 15.0	2.4	± 4.0	2.0	± 2.5
	Macro%	%	4.5	± 3.0	4.8	± 5.0	5.6	± 10.0
	Neu-X	/	388.5	± 120.0	400.2	± 120.0	414.2	± 120.0
	Neu-Y	/	525.8	± 120.0	522.5	± 150.0	523.7	± 150.0
	Mon-X	/	229.9	± 120.0	227.8	± 120.0	230.0	± 120.0
	PLT-I	$\times 10^9/L$	53	± 20	205	± 40	389	± 60
	ESR	mm/h	38.46	± 10.00	14.78	± 4.00	/	$\pm /$
	WBC-M*	$\times 10^9/L$	3.83	± 0.80	7.51	± 1.00	20.74	± 2.50

The ESR is not applicable for High level, and only ESR is involved in BP 200n and BP 260n.

WBC-M applies to BC-7900.

*Research use only.

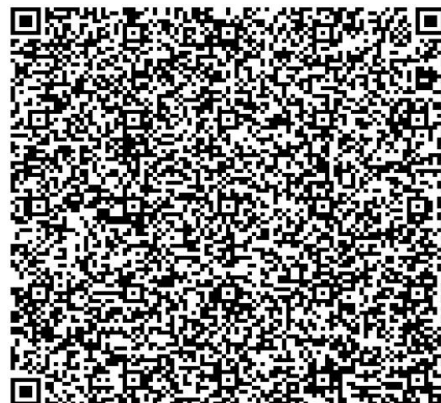
AS908 Rev.08



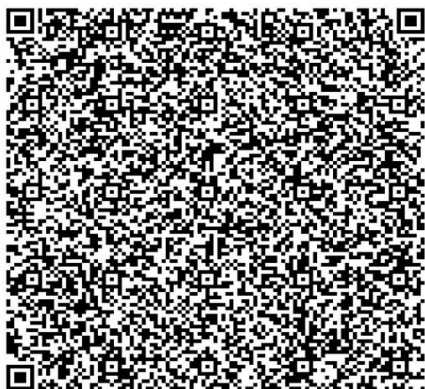
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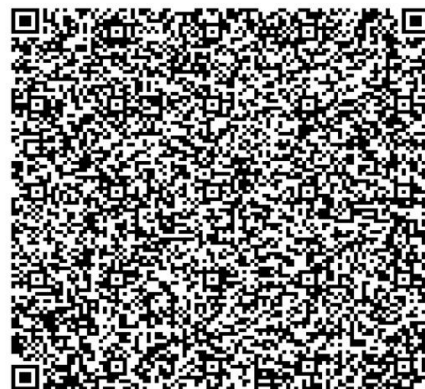
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BC-6800PLUS_MB0325AL



BC-6800PLUS_MB0325AN



BC-6800PLUS_MB0325AH



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BC-6800series_MB0325AN



BC-6800series_MB0325AH



BC-700series_MB0325AL



BC-700series_MB0325AN



BC-700series_MB0325AH



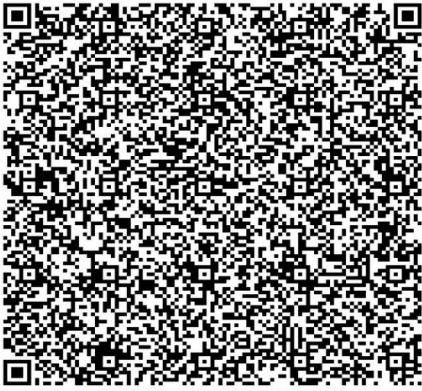
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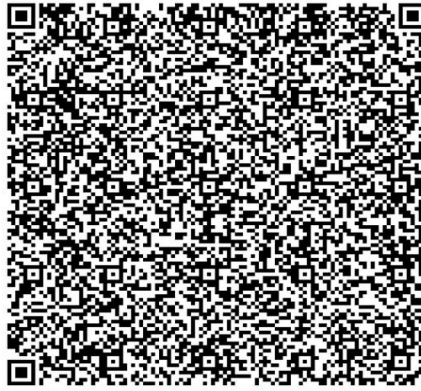
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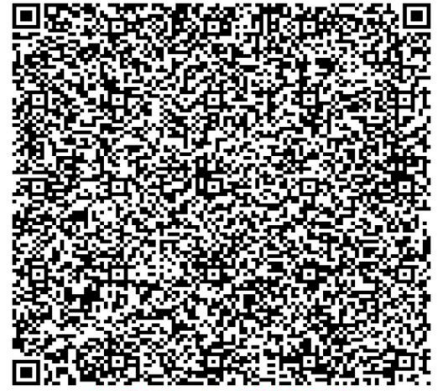
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BC-7600series_MB0325AL



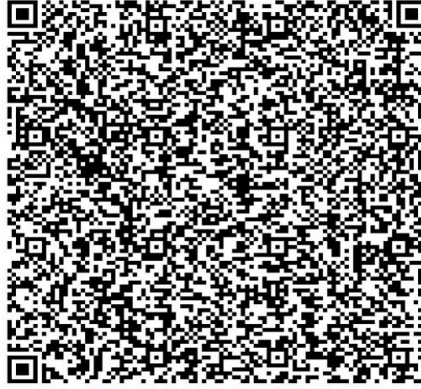
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BC-7600series_MB0325AH



BP200nseries_MB0325AL



BP200nseries_MB0325AN



BP200nseries_MB0325AH