

BC-6D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

 MB0525A



2025-07-10

Instrument	Parameter		Low		Normal		High	
			<div>LOT</div>	MB0525AL	<div>LOT</div>	MB0525AN	<div>LOT</div>	MB0525AH
BC-7500[B] CRP	WBC	$\times 10^9/L$	3.78	± 0.50	7.56	± 1.00	20.55	± 2.50
BC-7500[N] CRP	Neu#	$\times 10^9/L$	2.24	± 0.38	3.95	± 0.76	11.73	± 2.06
BC-7500[R] CRP	Lym#	$\times 10^9/L$	0.88	± 0.31	2.53	± 0.61	6.21	± 1.65
BC-7500[NR] CRP	Mon#	$\times 10^9/L$	0.13	± 0.13	0.35	± 0.35	0.86	± 0.86
BC-7300[B] CRP	Eos#	$\times 10^9/L$	0.48	± 0.35	0.62	± 0.62	1.46	± 1.46
BC-7300[R] CRP	Bas#	$\times 10^9/L$	0.05	± 0.05	0.11	± 0.11	0.29	± 0.29
BC-7300[NR] CRP	Neu%	%	59.3	± 10.0	52.3	± 10.0	57.1	± 10.0
BC-7500[B] CS	Lym%	%	23.3	± 8.0	33.5	± 8.0	30.2	± 8.0
BC-7500[N] CS	Mon%	%	3.4	± 3.4	4.6	± 4.6	4.2	± 4.2
BC-7500[R] CS	Eos%	%	12.6	± 9.0	8.2	± 8.2	7.1	± 7.1
BC-7500[NR] CS	Bas%	%	1.4	± 1.4	1.4	± 1.4	1.4	± 1.4
QC Mode	RBC	$\times 10^{12}/L$	2.22	± 0.18	4.25	± 0.24	5.15	± 0.30
	HGB	g/dL	5.8	± 0.4	12.2	± 0.6	15.8	± 0.8
	HCT	%	19.0	± 1.5	39.5	± 2.0	52.0	± 2.4
	MCV	fL	85.8	± 5.0	92.9	± 5.0	100.9	± 5.0
	MCH	pg	26.1	± 2.5	28.7	± 2.5	30.7	± 2.5
	MCHC	g/dL	30.5	± 3.0	30.9	± 3.0	30.4	± 3.0
	RDW-CV	%	18.0	± 3.0	15.2	± 3.0	14.1	± 3.0
	RDW-SD	fL	56.5	± 6.0	51.8	± 6.0	51.8	± 8.0
	PLT	$\times 10^9/L$	55	± 20	215	± 40	382	± 60
	MPV	fL	12.5	± 3.0	11.9	± 3.0	13.3	± 3.0
	PDW	/	16.8	± 3.0	17.3	± 3.0	16.7	± 3.0
	PCT	%	0.069	± 0.050	0.256	± 0.100	0.508	± 0.200
	P-LCR	%	47.4	± 20.0	40.2	± 10.0	50.5	± 10.0
	P-LCC	$\times 10^9/L$	26	± 12	86	± 24	193	± 50
	IMG#	$\times 10^9/L$	0.05	± 0.39	0.09	± 0.75	0.25	± 2.09
	IMG%	%	1.3	± 10.0	1.2	± 10.0	1.2	± 10.0
	NRBC#	$\times 10^9/L$	0.257	± 0.257	0.278	± 0.278	0.378	± 0.378
	NRBC%	/100WBC	6.80	± 6.80	3.68	± 3.68	1.84	± 1.84

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			LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-6800	WBC	$\times 10^9/L$	3.80	± 0.50	7.29	± 1.00	19.74	± 2.50
BC-6600	Neu#	$\times 10^9/L$	2.25	± 0.38	3.78	± 0.73	11.27	± 1.98
QC Mode	Lym#	$\times 10^9/L$	0.89	± 0.31	2.47	± 0.59	5.94	± 1.58
	Mon#	$\times 10^9/L$	0.13	± 0.13	0.34	± 0.34	0.83	± 0.83
	Eos#	$\times 10^9/L$	0.49	± 0.35	0.62	± 0.48	1.48	± 1.48
	Bas#	$\times 10^9/L$	0.04	± 0.19	0.08	± 0.37	0.22	± 1.00
	Neu%	%	59.4	± 10.0	51.9	± 10.0	57.1	± 10.0
	Lym%	%	23.3	± 8.0	33.9	± 8.0	30.1	± 8.0
	Mon%	%	3.3	± 3.3	4.6	± 4.6	4.2	± 4.2
	Eos%	%	12.9	± 9.0	8.5	± 6.5	7.5	± 7.5
	Bas%	%	1.1	± 5.0	1.1	± 5.0	1.1	± 5.0
	RBC	$\times 10^{12}/L$	2.28	± 0.18	4.28	± 0.24	5.12	± 0.30
	HGB	g/dL	5.9	± 0.4	12.2	± 0.6	15.6	± 0.8
	HCT	%	19.6	± 1.5	39.8	± 2.0	51.5	± 2.4
	MCV	fL	86.1	± 5.0	92.9	± 5.0	100.5	± 5.0
	MCH	pg	25.9	± 2.5	28.5	± 2.5	30.5	± 2.5
	MCHC	g/dL	30.1	± 3.0	30.7	± 3.0	30.3	± 3.0
	RDW-CV	%	17.0	± 3.0	15.2	± 3.0	14.4	± 3.0
	RDW-SD	fL	51.2	± 6.0	49.8	± 6.0	51.0	± 8.0
	PLT	$\times 10^9/L$	54	± 20	218	± 40	398	± 60
	MPV	fL	12.2	± 3.0	11.7	± 3.0	13.1	± 3.0
	PDW	/	16.1	± 3.0	16.9	± 3.0	16.6	± 3.0
	PCT	%	0.066	± 0.050	0.255	± 0.100	0.521	± 0.200
	P-LCR	%	44.9	± 20.0	39.0	± 10.0	48.2	± 10.0
	P-LCC	$\times 10^9/L$	24	± 12	85	± 24	192	± 50
	IMG#*	$\times 10^9/L$	0.05	± 0.39	0.09	± 0.75	0.26	± 2.00
	IMG%*	%	1.3	± 10.0	1.2	± 10.0	1.3	± 10.0
	NRBC#	$\times 10^9/L$	0.291	± 0.291	0.292	± 0.292	0.407	± 0.407
	NRBC%	/100WBC	7.67	± 7.67	4.01	± 4.01	2.06	± 2.06

*Software version 1.09 or higher.

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LOT MB0525A



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Instrument	Parameter	Low		Normal		High	
		LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-6800Plus	WBC	$\times 10^9/L$	3.92 \pm 0.50		7.43 \pm 1.00		20.22 \pm 2.50
BC-6700Plus	Neu#	$\times 10^9/L$	2.33 \pm 0.40		3.91 \pm 0.75		11.50 \pm 2.03
BC-6600Plus	Lym#	$\times 10^9/L$	0.93 \pm 0.32		2.51 \pm 0.60		6.15 \pm 1.62
QC Mode	Mon#	$\times 10^9/L$	0.13 \pm 0.13		0.34 \pm 0.34		0.85 \pm 0.85
	Eos#	$\times 10^9/L$	0.47 \pm 0.36		0.57 \pm 0.52		1.44 \pm 1.44
	Bas#	$\times 10^9/L$	0.06 \pm 0.06		0.10 \pm 0.10		0.28 \pm 0.28
	Neu%	%	59.3 \pm 10.0		52.5 \pm 10.0		56.9 \pm 10.0
	Lym%	%	23.8 \pm 8.0		33.8 \pm 8.0		30.4 \pm 8.0
	Mon%	%	3.4 \pm 3.4		4.6 \pm 4.6		4.2 \pm 4.2
	Eos%	%	12.0 \pm 9.0		7.7 \pm 7.0		7.1 \pm 7.1
	Bas%	%	1.5 \pm 1.5		1.4 \pm 1.4		1.4 \pm 1.4
	RBC	$\times 10^{12}/L$	2.28 \pm 0.18		4.27 \pm 0.24		5.12 \pm 0.30
	HGB	g/dL	5.9 \pm 0.4		12.2 \pm 0.6		15.7 \pm 0.8
	HCT	%	19.6 \pm 1.5		39.8 \pm 2.0		51.8 \pm 2.4
	MCV	fL	86.0 \pm 5.0		93.2 \pm 5.0		101.2 \pm 5.0
	MCH	pg	25.9 \pm 2.5		28.6 \pm 2.5		30.7 \pm 2.5
	MCHC	g/dL	30.1 \pm 3.0		30.7 \pm 3.0		30.3 \pm 3.0
	RDW-CV	%	16.8 \pm 3.0		15.0 \pm 3.0		14.2 \pm 3.0
	RDW-SD	fL	51.0 \pm 6.0		49.4 \pm 6.0		50.6 \pm 8.0
	PLT	$\times 10^9/L$	52 \pm 20		215 \pm 40		397 \pm 60
	PLT-H	$\times 10^9/L$	52 \pm 20		215 \pm 40		385 \pm 60
	MPV	fL	12.4 \pm 3.0		11.6 \pm 3.0		13.1 \pm 3.0
	PDW	/	16.3 \pm 3.0		17.0 \pm 3.0		16.6 \pm 3.0
	PCT	%	0.064 \pm 0.050		0.249 \pm 0.100		0.520 \pm 0.200
	P-LCR	%	46.6 \pm 20.0		38.1 \pm 10.0		48.7 \pm 10.0
	P-LCC	$\times 10^9/L$	24 \pm 12		82 \pm 24		193 \pm 50
	IMG#	$\times 10^9/L$	0.05 \pm 0.42		0.09 \pm 0.75		0.24 \pm 2.00
	IMG%	%	1.2 \pm 10.0		1.2 \pm 10.0		1.2 \pm 10.0
	NRBC#	$\times 10^9/L$	0.270 \pm 0.270		0.256 \pm 0.256		0.384 \pm 0.384
	NRBC%	/100WBC	6.88 \pm 6.88		3.44 \pm 3.44		1.90 \pm 1.90
	Micro%	%	3.3 \pm 15.0		2.7 \pm 4.0		2.1 \pm 2.5
	Macro%	%	4.2 \pm 3.0		4.6 \pm 5.0		5.7 \pm 10.0
	Neu-X	/	384.6 \pm 120.0		372.9 \pm 120.0		391.0 \pm 120.0
	Neu-Y	/	510.0 \pm 120.0		507.5 \pm 150.0		509.8 \pm 150.0
	Mon-X	/	226.2 \pm 120.0		196.2 \pm 120.0		205.1 \pm 120.0
	PLT-I	$\times 10^9/L$	52 \pm 20		215 \pm 40		397 \pm 60
	ESR*	mm/h	37.26 \pm 10.00		15.57 \pm 4.00		/ \pm /

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

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Instrument	Parameter		Low		Normal		High	
			LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-6000	WBC	$\times 10^9/L$	3.73	± 0.50	7.43	± 1.00	20.34	± 2.50
BC-6100	Neu#	$\times 10^9/L$	2.20	± 0.38	3.86	± 0.75	11.58	± 2.04
BC-6200	Lym#	$\times 10^9/L$	0.87	± 0.30	2.51	± 0.60	6.18	± 1.63
BC-6000Plus	Mon#	$\times 10^9/L$	0.13	± 0.13	0.34	± 0.34	0.83	± 0.83
BC-6100Plus	Eos#	$\times 10^9/L$	0.47	± 0.25	0.61	± 0.53	1.44	± 1.22
QC Mode	Bas#	$\times 10^9/L$	0.06	± 0.06	0.11	± 0.11	0.31	± 0.31
	Neu%	%	59.1	± 10.0	51.9	± 10.0	56.9	± 10.0
	Lym%	%	23.4	± 8.0	33.8	± 8.0	30.4	± 8.0
	Mon%	%	3.4	± 3.4	4.6	± 4.6	4.1	± 4.1
	Eos%	%	12.6	± 6.5	8.2	± 7.0	7.1	± 6.0
	Bas%	%	1.5	± 1.5	1.5	± 1.5	1.5	± 1.5
	RBC	$\times 10^{12}/L$	2.27	± 0.18	4.28	± 0.24	5.15	± 0.30
	HGB	g/dL	6.0	± 0.4	12.3	± 0.6	15.9	± 0.8
	HCT	%	19.9	± 1.5	40.1	± 2.0	52.0	± 2.4
	MCV	fL	87.8	± 5.0	93.8	± 5.0	100.9	± 5.0
	MCH	pg	26.4	± 2.5	28.7	± 2.5	30.9	± 2.5
	MCHC	g/dL	30.1	± 3.0	30.6	± 3.0	30.6	± 3.0
	RDW-CV	%	17.3	± 3.0	15.0	± 3.0	14.2	± 3.0
	RDW-SD	fL	55.6	± 6.0	51.8	± 6.0	51.1	± 8.0
	PLT	$\times 10^9/L$	54	± 20	222	± 40	394	± 60
	MPV	fL	13.5	± 3.0	12.2	± 3.0	13.6	± 3.0
	PDW	/	16.6	± 3.0	17.0	± 3.0	16.5	± 3.0
	PCT	%	0.073	± 0.050	0.271	± 0.100	0.536	± 0.200
	P-LCR	%	51.1	± 20.0	41.8	± 10.0	51.9	± 10.0
	P-LCC	$\times 10^9/L$	28	± 12	93	± 24	204	± 50
	IMG#	$\times 10^9/L$	0.05	± 0.39	0.10	± 0.77	0.26	± 2.00
	IMG%	%	1.3	± 10.0	1.3	± 10.0	1.3	± 10.0
	NRBC#	$\times 10^9/L$	0.260	± 0.260	0.266	± 0.266	0.372	± 0.372
	NRBC%	/100WBC	6.96	± 6.96	3.58	± 3.58	1.83	± 1.83
	Micro%	%	3.4	± 15.0	2.6	± 4.0	2.0	± 2.5
	Macro%	%	4.5	± 3.0	5.2	± 5.0	6.9	± 10.0
	Neu-X	/	390.1	± 120.0	389.6	± 120.0	406.1	± 120.0
	Neu-Y	/	521.8	± 120.0	519.0	± 150.0	523.1	± 150.0
	Mon-X	/	225.7	± 120.0	202.6	± 120.0	210.1	± 120.0
	PLT-I	$\times 10^9/L$	54	± 20	222	± 40	394	± 60

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Instrument	Parameter		Low		Normal		High	
			LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-700[B]	WBC	$\times 10^9/L$	3.84	± 0.50	7.59	± 1.00	20.54	± 2.50
BC-760[B]	Neu#	$\times 10^9/L$	2.33	± 0.39	4.11	± 0.76	12.12	± 2.06
BC-700[B] CS	Lym#	$\times 10^9/L$	0.93	± 0.31	2.55	± 0.61	6.16	± 1.65
BC-760[B] CS	Mon#	$\times 10^9/L$	0.13	± 0.13	0.36	± 0.36	0.86	± 0.86
BC-700[R]	Eos#	$\times 10^9/L$	0.40	± 0.40	0.46	± 0.46	1.11	± 1.11
BC-720[R]	Bas#	$\times 10^9/L$	0.05	± 0.18	0.11	± 0.40	0.29	± 1.04
BC-760[R]	Neu%	%	60.6	± 10.0	54.2	± 10.0	59.0	± 10.0
BC-700[R] CS	Lym%	%	24.2	± 8.0	33.6	± 8.0	30.0	± 8.0
BC-760[R] CS	Mon%	%	3.5	± 3.5	4.7	± 4.7	4.2	± 4.2
BP 200n	Eos%	%	10.3	± 10.3	6.1	± 6.1	5.4	± 5.4
BP 260n	Bas%	%	1.4	± 5.0	1.4	± 5.0	1.4	± 5.0
QC Mode	RBC	$\times 10^{12}/L$	2.26	± 0.18	4.29	± 0.24	5.13	± 0.30
	HGB	g/dL	5.8	± 0.4	12.1	± 0.6	15.6	± 0.8
	HCT	%	19.6	± 1.5	40.5	± 2.0	52.4	± 2.4
	MCV	fL	86.9	± 5.0	94.3	± 5.0	102.2	± 5.0
	MCH	pg	25.7	± 2.5	28.2	± 2.5	30.4	± 2.5
	MCHC	g/dL	29.5	± 3.0	29.9	± 3.0	29.8	± 3.0
	RDW-CV	%	18.2	± 3.0	15.3	± 3.0	14.1	± 3.0
	RDW-SD	fL	57.6	± 6.0	52.8	± 6.0	52.6	± 8.0
	PLT	$\times 10^9/L$	55	± 20	220	± 40	382	± 60
	PLT-H	$\times 10^9/L$	56	± 20	222	± 40	387	± 60
	MPV	fL	12.8	± 3.0	11.8	± 3.0	13.3	± 3.0
	PDW	/	16.7	± 3.0	17.3	± 3.0	16.7	± 3.0
	PCT	%	0.070	± 0.050	0.260	± 0.100	0.508	± 0.200
	P-LCR	%	48.8	± 20.0	39.8	± 10.0	50.3	± 10.0
	P-LCC	$\times 10^9/L$	27	± 12	88	± 24	192	± 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#	$\times 10^9/L$	0.090	± 0.090	0.154	± 0.154	0.477	± 0.477
	NRBC%	/100WBC	2.35	± 2.35	2.03	± 2.03	2.32	± 2.32
	IPF	%	2.5	± 5.0	2.3	± 5.0	2.5	± 5.0
	ESR	mm/h	38.67	± 10.00	14.92	± 4.00	/	$\pm /$

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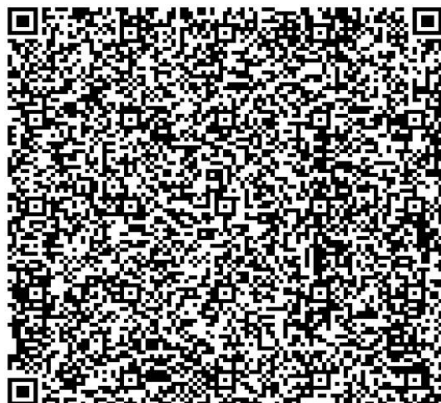
Instrument	Parameter		Low		Normal		High	
			LOT	MB0525AL	LOT	MB0525AN	LOT	MB0525AH
BC-7600	WBC	$\times 10^9/L$	3.84	± 0.80	7.56	± 1.00	20.59	± 2.50
BC-7800	Neu#	$\times 10^9/L$	2.25	± 0.50	3.91	± 0.80	11.74	± 2.00
BC-7900	Lym#	$\times 10^9/L$	0.91	± 0.40	2.55	± 0.80	6.16	± 1.60
(Not applicable to Russia)	Mon#	$\times 10^9/L$	0.13	± 0.12	0.35	± 0.38	0.86	± 0.80
	Eos#	$\times 10^9/L$	0.49	± 0.30	0.64	± 0.50	1.54	± 1.20
	Bas#	$\times 10^9/L$	0.06	± 0.10	0.11	± 0.10	0.29	± 0.29
	Neu%	%	58.8	± 12.0	51.9	± 10.0	57.0	± 10.0
	Lym%	%	23.6	± 9.5	33.7	± 10.0	29.9	± 8.0
	Mon%	%	3.3	± 3.0	4.6	± 4.0	4.2	± 3.5
	Eos%	%	12.8	± 7.0	8.4	± 6.0	7.5	± 6.0
	Bas%	%	1.5	± 1.0	1.4	± 1.0	1.4	± 1.5
	RBC	$\times 10^{12}/L$	2.24	± 0.18	4.29	± 0.24	5.17	± 0.30
	HGB	g/dL	5.8	± 0.4	12.2	± 0.6	15.8	± 0.8
	HCT	%	19.4	± 2.0	40.3	± 2.5	52.6	± 3.0
	MCV	fL	86.6	± 5.0	94.0	± 5.0	101.8	± 5.0
	MCH	pg	25.9	± 2.5	28.4	± 2.5	30.6	± 2.5
	MCHC	g/dL	29.9	± 3.0	30.3	± 3.0	30.0	± 3.0
	RDW-CV	%	18.2	± 5.0	15.3	± 5.0	14.2	± 6.0
	RDW-SD	fL	56.4	± 10.0	51.8	± 10.0	51.8	± 12.0
	PLT	$\times 10^9/L$	53	± 20	217	± 40	382	± 60
	PLT-H	$\times 10^9/L$	54	± 20	222	± 40	391	± 60
	MPV	fL	12.2	± 3.0	11.8	± 3.0	13.2	± 3.0
	PDW	/	16.6	± 5.0	17.3	± 5.0	16.8	± 5.0
	PCT	%	0.065	± 0.050	0.256	± 0.100	0.504	± 0.200
	P-LCR	%	45.9	± 10.0	39.6	± 10.0	49.5	± 10.0
	P-LCC	$\times 10^9/L$	24	± 8	86	± 24	189	± 50
	IMG#	$\times 10^9/L$	0.05	± 0.50	0.09	± 0.90	0.27	± 2.20
	IMG%	%	1.2	± 10.0	1.2	± 10.0	1.3	± 10.0
	NRBC#	$\times 10^9/L$	0.257	± 0.300	0.269	± 0.500	0.371	± 0.300
	NRBC%	/100WBC	6.70	± 10.00	3.56	± 10.00	1.80	± 10.00
	Micro%	%	3.0	± 15.0	2.4	± 4.0	2.0	± 2.5
	Macro%	%	4.4	± 3.0	4.8	± 5.0	5.7	± 10.0
	Neu-X	/	390.2	± 120.0	394.8	± 120.0	406.0	± 120.0
	Neu-Y	/	520.3	± 120.0	517.8	± 150.0	519.4	± 150.0
	Mon-X	/	239.6	± 120.0	208.7	± 120.0	220.9	± 120.0
	PLT-I	$\times 10^9/L$	53	± 20	217	± 40	382	± 60
	ESR	mm/h	38.11	± 10.00	13.91	± 4.00	/	$\pm /$
	WBC-M*	$\times 10^9/L$	3.95	± 0.80	7.53	± 1.00	20.40	± 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.

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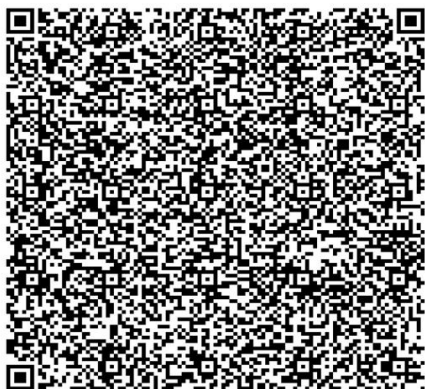
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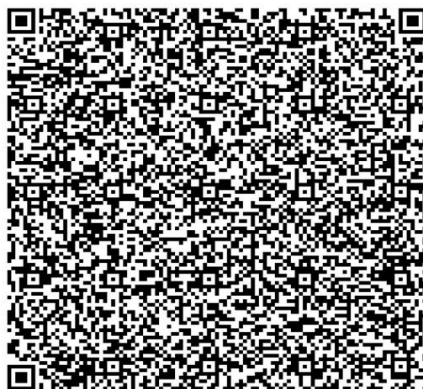
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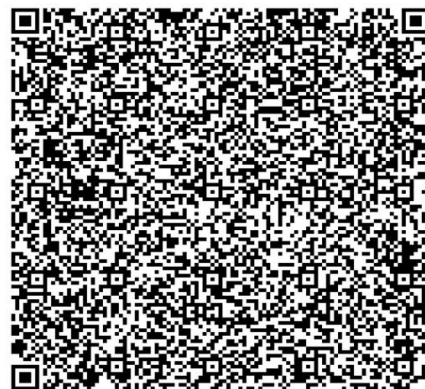
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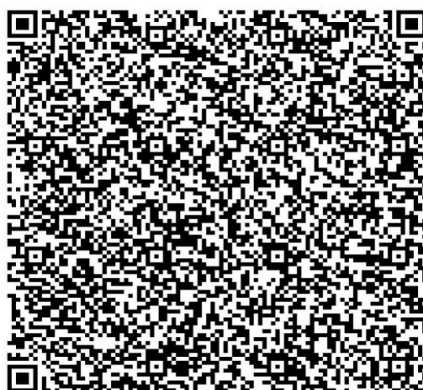
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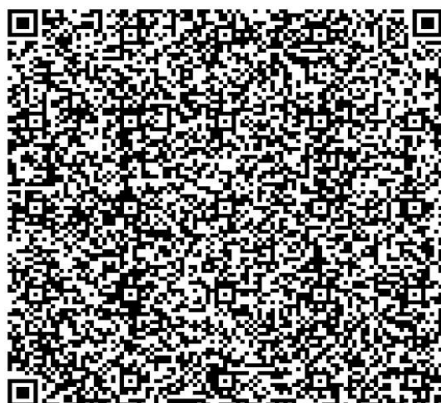
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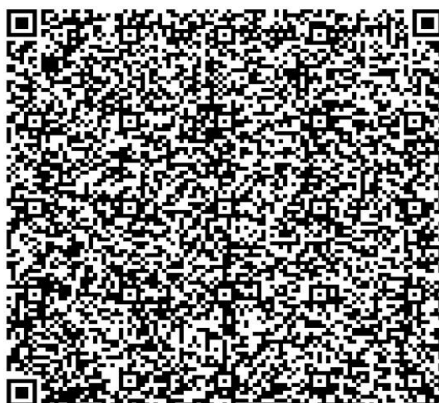
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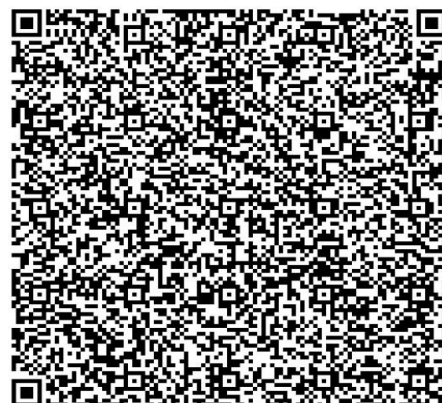
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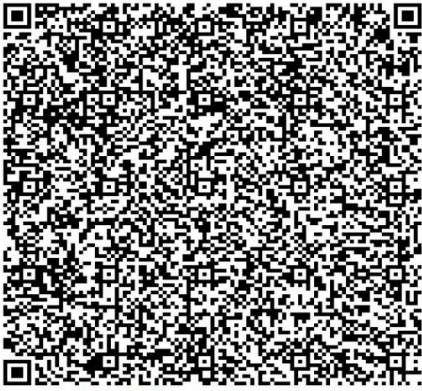
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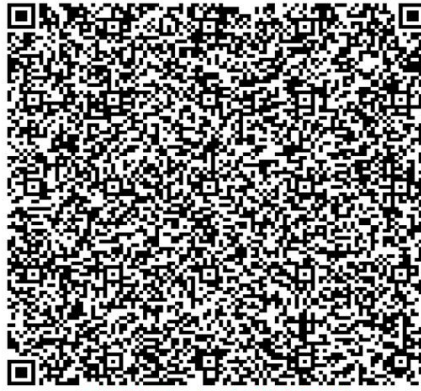
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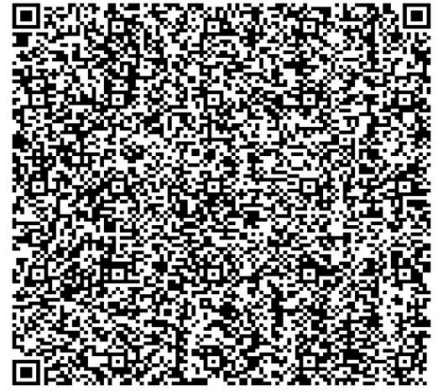
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BC-7600series_MB0525AN



BC-7600series_MB0525AH



BP200nseries_MB0525AL



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BP200nseries_MB0525AH