

BC-RET

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT ME0726A



2026-09-10

Instrument	Parameter		Low		Normal		High	
			LOT	ME0726A-1	LOT	ME0726A-2	LOT	ME0726A-3
BC-700[R]	Ret#	$\times 10^{12}/L$	0.0702	± 0.0561	0.2167	± 0.0869	0.1817	± 0.0546
BC-720[R]	Ret%	%	1.19	± 0.95	4.64	± 1.86	8.22	± 2.47
BC-760[R]	IRF	%	12.3	± 15.0	11.3	± 13.0	8.1	± 25.0
BC-780[R]	LFR	%	87.7	± 15.0	88.7	± 10.0	91.9	± 25.0
BC-700[R] CS	MFR	%	10.9	± 12.0	9.3	± 10.0	4.9	± 22.0
BC-760[R] CS	HFR	%	1.4	± 3.0	2.0	± 3.0	3.2	± 3.0
QC Mode	RHE	pg	24.8	± 10.0	23.7	± 10.0	21.5	± 10.0
	IPF	%	7.5	± 3.5	7.7	± 3.5	7.7	± 3.5
	PLT-O	$\times 10^9/L$	115	± 40	310	± 60	579	± 120
	RBC-O*	$\times 10^{12}/L$	5.77	± 0.80	4.64	± 0.60	2.23	± 0.25
BC-7500[R] CRP	Ret#	$\times 10^{12}/L$	0.0605	± 0.0486	0.1922	± 0.0768	0.1662	± 0.0500
BC-7500[NR] CRP	Ret%	%	1.01	± 0.81	4.08	± 1.63	7.59	± 2.28
BC-7300[R] CRP	IRF	%	10.7	± 15.0	9.4	± 13.0	7.3	± 25.0
BC-7300[NR] CRP	LFR	%	89.3	± 15.0	90.6	± 10.0	92.7	± 25.0
BC-7500[R] CS	MFR	%	9.1	± 12.0	7.1	± 10.0	4.0	± 22.0
BC-7500[NR] CS	HFR	%	1.6	± 3.0	2.3	± 3.0	3.3	± 3.0
QC Mode	RHE	pg	22.8	± 10.0	22.1	± 10.0	20.4	± 10.0
	IPF	%	4.6	± 3.5	4.6	± 3.5	4.6	± 3.5
	PLT-O*	$\times 10^9/L$	115	± 40	302	± 60	526	± 120
	RBC-O*	$\times 10^{12}/L$	5.74	± 0.80	4.59	± 0.60	2.13	± 0.25
BC-6800	Ret#	$\times 10^{12}/L$	0.0514	± 0.0409	0.1801	± 0.0723	0.1657	± 0.0498
BC-6600	Ret%	%	0.88	± 0.70	3.89	± 1.56	7.43	± 2.23
QC Mode	IRF	%	7.6	± 15.0	8.1	± 13.0	7.5	± 25.0
	LFR	%	92.4	± 15.0	91.9	± 10.0	92.5	± 25.0
	MFR	%	6.4	± 12.0	7.0	± 10.0	6.3	± 22.0
	HFR	%	1.2	± 3.0	1.1	± 3.0	1.2	± 3.0
	RHE	pg	26.3	± 10.0	25.1	± 10.0	23.7	± 10.0
	IPF	%	8.5	± 3.5	8.4	± 3.5	8.4	± 3.5
	PLT-O*	$\times 10^9/L$	127	± 40	312	± 60	542	± 120
	RBC-O*	$\times 10^{12}/L$	5.58	± 0.80	4.51	± 0.60	2.15	± 0.25
BC-6800Plus,BC-6700Plus	Ret#	$\times 10^{12}/L$	0.0623	± 0.0500	0.1883	± 0.0755	0.1631	± 0.0489
BC-6600Plus	Ret%	%	1.06	± 0.85	4.04	± 1.62	7.28	± 2.18
QC Mode	IRF	%	12.2	± 15.0	10.7	± 13.0	7.8	± 25.0
	LFR	%	87.8	± 15.0	89.3	± 10.0	92.2	± 25.0
	MFR	%	10.4	± 12.0	8.0	± 10.0	4.3	± 22.0
	HFR	%	1.8	± 3.0	2.7	± 3.0	3.5	± 3.0
	RHE	pg	27.3	± 10.0	26.2	± 10.0	24.0	± 10.0
	IPF	%	4.7	± 3.5	4.7	± 3.5	4.7	± 3.5
	PLT-O	$\times 10^9/L$	112	± 40	296	± 60	554	± 120
	RBC-O*	$\times 10^{12}/L$	5.59	± 0.80	4.55	± 0.60	2.23	± 0.25
	MCVr	fL	125.4	± 15.0	118.6	± 14.0	113.6	± 13.5
	MCHr	pg	34.8	± 4.7	32.8	± 4.5	31.4	± 4.2
	HDW	g/L	25.0	± 9.3	25.0	± 9.5	25.3	± 13.5
	DELTA-CH	pg	7.5	± 3.7	7.0	± 3.7	6.6	± 3.7
	HYPO-CH%	%	2.2	± 4.0	2.2	± 9.5	2.2	± 19.0
	HYPER-CH%	%	4.4	± 7.4	4.6	± 4.4	4.7	± 3.5
	MCHm	pg	27.3	± 5.0	25.8	± 5.0	24.8	± 5.0
	IPF#	$\times 10^9/L$	4.5	± 8.0	11.6	± 15.0	20.7	± 30.0

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Instrument	Parameter		Low		Normal		High	
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BC-6200,Counter 60 AL, BC-6000Plus BC-6100Plus QC Mode	Ret#	$\times 10^{12}/L$	0.0588	$\pm$ 0.0470	0.1930	$\pm$ 0.0771	0.1766	$\pm$ 0.0531
	Ret%	%	0.99	$\pm$ 0.79	4.08	$\pm$ 1.63	7.92	$\pm$ 2.38
	IRF	%	12.0	$\pm$ 15.0	11.2	$\pm$ 13.0	7.7	$\pm$ 25.0
	LFR	%	88.0	$\pm$ 15.0	88.8	$\pm$ 10.0	92.3	$\pm$ 25.0
	MFR	%	10.6	$\pm$ 12.0	8.9	$\pm$ 10.0	4.2	$\pm$ 22.0
	HFR	%	1.4	$\pm$ 3.0	2.3	$\pm$ 3.0	3.5	$\pm$ 3.0
	RHE	pg	24.0	$\pm$ 10.0	23.2	$\pm$ 10.0	21.8	$\pm$ 10.0
	IPF	%	4.6	$\pm$ 3.5	4.7	$\pm$ 3.5	4.7	$\pm$ 3.5
	PLT-O	$\times 10^9/L$	116	$\pm$ 40	294	$\pm$ 60	515	$\pm$ 120
	RBC-O*	$\times 10^{12}/L$	5.66	$\pm$ 0.80	4.54	$\pm$ 0.60	2.14	$\pm$ 0.25
	MCVr	fL	116.5	$\pm$ 15.0	110.3	$\pm$ 14.0	106.2	$\pm$ 13.5
	MCHr	pg	32.2	$\pm$ 4.7	30.3	$\pm$ 4.5	29.3	$\pm$ 4.2
	HDW	g/L	24.7	$\pm$ 9.3	24.8	$\pm$ 9.5	25.0	$\pm$ 13.5
	DELTA-CH	pg	6.9	$\pm$ 3.7	6.5	$\pm$ 3.7	6.2	$\pm$ 3.7
	HYPO-CH%	%	2.2	$\pm$ 4.0	2.2	$\pm$ 9.5	2.2	$\pm$ 19.0
	HYPER-CH%	%	4.4	$\pm$ 7.4	4.5	$\pm$ 4.4	4.6	$\pm$ 3.5
	MCHm	pg	25.2	$\pm$ 5.0	23.8	$\pm$ 5.0	23.1	$\pm$ 5.0
	IPF#	$\times 10^9/L$	4.8	$\pm$ 8.0	12.5	$\pm$ 15.0	23.4	$\pm$ 30.0
BC-7800 (Not applicable to Russia)	Ret#	$\times 10^{12}/L$	0.0660	$\pm$ 0.0230	0.2031	$\pm$ 0.0990	0.1737	$\pm$ 0.0770
	Ret%	%	1.11	$\pm$ 0.40	4.35	$\pm$ 2.00	7.97	$\pm$ 3.00
	IRF	%	10.6	$\pm$ 15.0	10.0	$\pm$ 13.0	7.1	$\pm$ 25.0
	LFR	%	89.4	$\pm$ 15.0	90.0	$\pm$ 10.0	92.9	$\pm$ 25.0
	MFR	%	9.1	$\pm$ 12.0	7.7	$\pm$ 10.0	3.6	$\pm$ 22.0
	HFR	%	1.5	$\pm$ 3.0	2.3	$\pm$ 3.0	3.5	$\pm$ 3.0
	RHE	pg	24.9	$\pm$ 10.0	23.9	$\pm$ 10.0	21.8	$\pm$ 10.0
	IPF	%	4.6	$\pm$ 15.0	4.7	$\pm$ 15.0	4.6	$\pm$ 15.0
	PLT-O	$\times 10^9/L$	115	$\pm$ 40	299	$\pm$ 60	526	$\pm$ 120
	RBC-O*	$\times 10^{12}/L$	5.66	$\pm$ 0.80	4.51	$\pm$ 0.60	2.11	$\pm$ 0.25
	MCVr	fL	117.2	$\pm$ 15.0	111.4	$\pm$ 14.0	107.3	$\pm$ 13.5
	MCHr	pg	32.3	$\pm$ 4.7	30.6	$\pm$ 4.5	29.6	$\pm$ 4.2
	HDW	g/L	24.7	$\pm$ 9.3	24.8	$\pm$ 9.5	25.0	$\pm$ 13.5
	DELTA-CH	pg	6.9	$\pm$ 3.7	6.6	$\pm$ 3.7	6.2	$\pm$ 3.7
	HYPO-CH%	%	2.2	$\pm$ 4.0	2.1	$\pm$ 9.5	2.1	$\pm$ 19.0
	HYPER-CH%	%	4.5	$\pm$ 7.4	4.7	$\pm$ 4.4	4.8	$\pm$ 3.5
	MCHm	pg	25.4	$\pm$ 5.0	24.1	$\pm$ 5.0	23.3	$\pm$ 5.0
	IPF#	$\times 10^9/L$	4.7	$\pm$ 8.0	11.8	$\pm$ 15.0	22.1	$\pm$ 30.0

*Research use only.
AS906 Rev. 18



BC-6000series_ME0726A-1



BC-6000series_ME0726A-2



BC-6000series_ME0726A-3



BC-6800PLUS_ME0726A-1



BC-6800PLUS_ME0726A-2



BC-6800PLUS_ME0726A-3



BC-6800series_ME0726A-1



BC-6800series_ME0726A-2



BC-6800series_ME0726A-3



BC-700series_ME0726A-1



BC-700series_ME0726A-2



BC-700series_ME0726A-3



BC-7500series_ME0726A-1



BC-7500series_ME0726A-2



BC-7500series_ME0726A-3



BC-7600series_ME0726A-1



BC-7600series_ME0726A-2



BC-7600series_ME0726A-3