

SC-CAL PLUS

HEMATOLOGY CONTROLS

CALIBRATOR

LOT



PLUS0926

2026-10-05

Instrument	Parameter		Calibration Values	Acceptable Range
BC-700[B], BC-700[B] CS	WBC	$\times 10^9/L$	8.99	8.79 - 9.19
BC-700[R], BC-700[R] CS	RBC	$\times 10^{12}/L$	4.69	4.61 - 4.77
BC-760[B], BC-760[B] CS	HGB	g/L	136	134 - 138
BC-760[R], BC-760[R] CS	MCV	fL	91.7	89.7 - 93.7
BC-720[R], BC-780[R]	PLT	$\times 10^9/L$	234	222 - 246
BP 200n, BP 260n	ESR	mm/h	13.26	/ - /
BC-7500[B] CRP, BC-7500[N] CRP	WBC	$\times 10^9/L$	9.17	8.97 - 9.37
BC-7500[R] CRP, BC-7500[NR] CRP	RBC	$\times 10^{12}/L$	4.73	4.65 - 4.81
BC-7300[B] CRP, BC-7300[N] CRP	HGB	g/L	137	135 - 139
BC-7300[R] CRP, BC-7300[NR] CRP	MCV	fL	91.4	89.4 - 93.4
BC-7500[B] CS, BC-7500[N] CS	PLT	$\times 10^9/L$	230	218 - 242
BC-7500[R] CS, BC-7500[NR] CS				
BC-6800, BC-6600	WBC	$\times 10^9/L$	8.64	8.44 - 8.84
	RBC	$\times 10^{12}/L$	4.62	4.54 - 4.70
	HGB	g/L	135	133 - 137
	MCV	fL	91.2	89.2 - 93.2
	PLT	$\times 10^9/L$	230	218 - 242
BC-6600Plus, BC-6700Plus	WBC	$\times 10^9/L$	8.74	8.54 - 8.94
BC-6800Plus	RBC	$\times 10^{12}/L$	4.63	4.55 - 4.71
	HGB	g/L	135	133 - 137
	MCV	fL	91.2	89.2 - 93.2
	PLT	$\times 10^9/L$	227	215 - 239
	ESR	mm/h	14.85	/ - /
BC-6000, BC-6100	WBC	$\times 10^9/L$	9.01	8.81 - 9.21
BC-6200, Counter 60 AL,	RBC	$\times 10^{12}/L$	4.71	4.63 - 4.79
BC-6000Plus	HGB	g/L	137	135 - 139
BC-6100Plus	MCV	fL	91.4	89.4 - 93.4
	PLT	$\times 10^9/L$	238	226 - 250
BC-5800, BC-5600	WBC	$\times 10^9/L$	9.04	8.84 - 9.24
	RBC	$\times 10^{12}/L$	4.66	4.58 - 4.74
	HGB	g/L	138	136 - 140
	MCV	fL	86.1	84.1 - 88.1
	PLT	$\times 10^9/L$	241	229 - 253
BC-5380, BC-5180	WBC	$\times 10^9/L$	9.41	9.21 - 9.61
BC-5300, BC-5100	RBC	$\times 10^{12}/L$	4.57	4.49 - 4.65
	HGB	g/L	135	133 - 137
	MCV	fL	86.6	84.6 - 88.6
	PLT	$\times 10^9/L$	237	225 - 249
BC-5390 CRP, BC-5180 CRP	WBC	$\times 10^9/L$	9.51	9.31 - 9.71
BC-5310 CRP, BC-5100 CRP	RBC	$\times 10^{12}/L$	4.59	4.51 - 4.67
	HGB	g/L	136	134 - 138
	MCV	fL	84.9	82.9 - 86.9
	PLT	$\times 10^9/L$	229	217 - 241
BC-5150, BC-5000	WBC	$\times 10^9/L$	8.99	8.79 - 9.19
BC-5120, BC-5130	RBC	$\times 10^{12}/L$	4.62	4.54 - 4.70
BC-5140, BC-5000Vet	HGB	g/L	135	133 - 137
Counter 29	MCV	fL	87.6	85.6 - 89.6
	PLT	$\times 10^9/L$	232	220 - 244
BC-5390, Counter 31 AL	WBC	$\times 10^9/L$	9.20	9.00 - 9.40
	RBC	$\times 10^{12}/L$	4.58	4.50 - 4.66
	HGB	g/L	135	133 - 137
	MCV	fL	84.0	82.0 - 86.0
	PLT	$\times 10^9/L$	229	217 - 241

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Instrument	Parameter		Calibration Values	Acceptable Range
BC-3600, BC-3300	WBC	$\times 10^9/L$	9.4	9.2 - 9.6
	RBC	$\times 10^{12}/L$	4.74	4.66 - 4.82
	HGB	g/L	137	135 - 139
	MCV	fL	83.9	81.9 - 85.9
	PLT	$\times 10^9/L$	228	216 - 240
BC-3000 Plus, BC-2900 BC-1800	WBC	$\times 10^9/L$	9.7	9.5 - 9.9
	RBC	$\times 10^{12}/L$	4.77	4.69 - 4.85
	HGB	g/L	139	137 - 141
	MCV	fL	84.1	82.1 - 86.1
	PLT	$\times 10^9/L$	232	220 - 244
BC-2800, BC-2600 BC-2800Vet, BC-2600Vet	WBC	$\times 10^9/L$	9.2	9.0 - 9.4
	RBC	$\times 10^{12}/L$	4.65	4.57 - 4.73
	HGB	g/L	139	137 - 141
	MCV	fL	85.2	83.2 - 87.2
	PLT	$\times 10^9/L$	222	210 - 234
BC-2300, BC-2100	WBC	$\times 10^9/L$	9.4	9.2 - 9.6
	RBC	$\times 10^{12}/L$	4.59	4.49 - 4.69
	HGB	g/L	137	135 - 139
	MCV	fL	85.2	83.2 - 87.2
	PLT	$\times 10^9/L$	226	211 - 241
BC-30s, BC-31s BC-20s, BC-21s BC-30, BC-31 BC-30e	WBC	$\times 10^9/L$	9.5	9.3 - 9.7
	RBC	$\times 10^{12}/L$	4.59	4.49 - 4.69
	HGB	g/L	139	137 - 141
	MCV	fL	87.2	85.2 - 89.2
	PLT	$\times 10^9/L$	232	217 - 247
BC-7600, BC-7800, BC-7900 (Not applicable to Russia)	WBC	$\times 10^9/L$	9.15	8.95 - 9.35
	RBC	$\times 10^{12}/L$	4.68	4.60 - 4.76
	HGB	g/L	136	134 - 138
	MCV	fL	92.5	90.5 - 94.5
	PLT	$\times 10^9/L$	227	215 - 239
	ESR	mm/h	12.72	/ - /
BC-20, BC-21 BC-10, BC-11 BC-10e	WBC	$\times 10^9/L$	9.2	9.0 - 9.4
	RBC	$\times 10^{12}/L$	4.56	4.46 - 4.66
	HGB	g/L	138	136 - 140
	MCV	fL	86.5	84.5 - 88.5
	PLT	$\times 10^9/L$	221	206 - 236

Only ESR is involved in BP 200n and BP 260n.

For BC-6800Plus/BC-6700Plus/BC-6600Plus, the ESR parameter is only applicable when the device software version is 1.25 and above.

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