

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC2607B



2026-09-10

Instrument	Parameter	Low		Normal		High		+
		LOT	BC2607BL	LOT	BC2607BN	LOT	BC2607BH	
BC-5800, BC-5600 QC Mode	WBC $\times 10^9/L$		3.47 $\pm$ 0.50		7.72 $\pm$ 1.00		18.27 $\pm$ 2.50	
	Neu# $\times 10^9/L$		1.64 $\pm$ 0.32		4.13 $\pm$ 0.70		11.38 $\pm$ 1.65	
	Lym# $\times 10^9/L$		1.52 $\pm$ 0.32		2.68 $\pm$ 0.62		4.04 $\pm$ 1.47	
	Mon# $\times 10^9/L$		0.16 $\pm$ 0.15		0.40 $\pm$ 0.23		1.06 $\pm$ 0.74	
	Eos# $\times 10^9/L$		0.12 $\pm$ 0.11		0.43 $\pm$ 0.31		1.61 $\pm$ 1.10	
	Bas# $\times 10^9/L$		0.03 $\pm$ 0.03		0.08 $\pm$ 0.08		0.18 $\pm$ 0.18	
	Neu%		47.4 $\pm$ 9.0		53.5 $\pm$ 9.0		62.3 $\pm$ 9.0	
	Lym%		43.7 $\pm$ 9.0		34.7 $\pm$ 8.0		22.1 $\pm$ 8.0	
	Mon%		4.5 $\pm$ 4.0		5.2 $\pm$ 3.0		5.8 $\pm$ 4.0	
	Eos%		3.4 $\pm$ 3.0		5.6 $\pm$ 4.0		8.8 $\pm$ 6.0	
	Bas%		1.0 $\pm$ 1.0		1.0 $\pm$ 1.0		1.0 $\pm$ 1.0	
	RBC $\times 10^{12}/L$		2.37 $\pm$ 0.18		4.00 $\pm$ 0.24		5.03 $\pm$ 0.30	
	HGB g/L		65 $\pm$ 4		126 $\pm$ 6		167 $\pm$ 8	
	HCT %		19.9 $\pm$ 1.5		38.4 $\pm$ 2.0		51.8 $\pm$ 2.4	
	MCV fL		84.0 $\pm$ 5.0		95.9 $\pm$ 5.0		102.9 $\pm$ 5.0	
	MCH pg		27.4 $\pm$ 2.5		31.5 $\pm$ 2.5		33.2 $\pm$ 2.5	
	MCHC g/L		327 $\pm$ 30		328 $\pm$ 30		323 $\pm$ 30	
	RDW-CV %		16.5 $\pm$ 3.0		13.6 $\pm$ 3.0		14.2 $\pm$ 3.0	
	RDW-SD fL		49.8 $\pm$ 10.0		48.6 $\pm$ 10.0		53.6 $\pm$ 10.0	
	PLT $\times 10^9/L$		54 $\pm$ 20		264 $\pm$ 40		501 $\pm$ 60	
	MPV fL		8.9 $\pm$ 3.0		8.5 $\pm$ 3.0		8.6 $\pm$ 3.0	
	PCT %*		0.048 $\pm$ 0.048		0.224 $\pm$ 0.100		0.431 $\pm$ 0.200	
	PDW*		15.8 $\pm$ 3.0		15.9 $\pm$ 3.0		16.1 $\pm$ 3.0	
	P-LCC $\times 10^9/L$		13 $\pm$ 13		58 $\pm$ 25		108 $\pm$ 35	
	P-LCR %		24.0 $\pm$ 10.0		21.9 $\pm$ 10.0		21.6 $\pm$ 10.0	
BC-5390 QC Mode	WBC $\times 10^9/L$		3.30 $\pm$ 0.50		7.60 $\pm$ 1.00		17.50 $\pm$ 2.50	
	Neu# $\times 10^9/L$		1.68 $\pm$ 0.30		4.29 $\pm$ 0.69		11.20 $\pm$ 1.58	
	Lym# $\times 10^9/L$		1.29 $\pm$ 0.30		2.47 $\pm$ 0.69		3.59 $\pm$ 1.58	
	Mon# $\times 10^9/L$		0.18 $\pm$ 0.13		0.30 $\pm$ 0.23		0.88 $\pm$ 0.71	
	Eos# $\times 10^9/L$		0.15 $\pm$ 0.10		0.53 $\pm$ 0.38		1.84 $\pm$ 1.41	
	Bas# $\times 10^9/L$		0.79 $\pm$ 0.33		1.98 $\pm$ 0.77		5.25 $\pm$ 1.75	
	Neu%		51.0 $\pm$ 9.0		56.5 $\pm$ 9.0		64.0 $\pm$ 9.0	
	Lym%		39.0 $\pm$ 9.0		32.5 $\pm$ 9.0		20.5 $\pm$ 9.0	
	Mon%		5.5 $\pm$ 4.0		4.0 $\pm$ 3.0		5.0 $\pm$ 4.0	
	Eos%		4.5 $\pm$ 3.0		7.0 $\pm$ 5.0		10.5 $\pm$ 8.0	
	Bas%		24.0 $\pm$ 10.0		26.0 $\pm$ 10.0		30.0 $\pm$ 10.0	
	RBC $\times 10^{12}/L$		2.28 $\pm$ 0.18		3.91 $\pm$ 0.24		4.97 $\pm$ 0.30	
	HGB g/L		59 $\pm$ 4		116 $\pm$ 6		154 $\pm$ 8	
	HCT %		19.0 $\pm$ 1.5		36.8 $\pm$ 2.0		49.5 $\pm$ 2.4	
	MCV fL		83.5 $\pm$ 5.0		94.0 $\pm$ 5.0		99.5 $\pm$ 5.0	
	MCH pg		25.9 $\pm$ 2.5		29.7 $\pm$ 2.5		31.0 $\pm$ 2.5	
	MCHC g/L		310 $\pm$ 30		316 $\pm$ 30		311 $\pm$ 30	
	RDW-CV %		16.0 $\pm$ 3.0		14.0 $\pm$ 3.0		14.5 $\pm$ 3.0	
	RDW-SD fL		51.5 $\pm$ 8.0		49.5 $\pm$ 8.0		52.5 $\pm$ 8.0	
	PLT $\times 10^9/L$		56 $\pm$ 20		258 $\pm$ 40		491 $\pm$ 60	
	MPV fL		12.1 $\pm$ 3.0		11.4 $\pm$ 3.0		11.4 $\pm$ 3.0	

* For Research Use Only

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC2607B



2026-09-10

Instrument	Parameter	Low		Normal		High		++
		LOT	BC2607BL	LOT	BC2607BN	LOT	BC2607BH	
BC-5390 CRP	WBC $\times 10^9/L$		3.33 $\pm$ 0.50		7.64 $\pm$ 1.00		17.63 $\pm$ 2.50	
BC-5310 CRP	Neu# $\times 10^9/L$		1.70 $\pm$ 0.30		4.32 $\pm$ 0.69		11.24 $\pm$ 1.59	
QC Mode	Lym# $\times 10^9/L$		1.30 $\pm$ 0.30		2.46 $\pm$ 0.62		3.61 $\pm$ 1.41	
	Mon# $\times 10^9/L$		0.18 $\pm$ 0.13		0.34 $\pm$ 0.24		0.86 $\pm$ 0.53	
	Eos# $\times 10^9/L$		0.15 $\pm$ 0.10		0.52 $\pm$ 0.39		1.92 $\pm$ 1.59	
	Bas# $\times 10^9/L$		0.81 $\pm$ 0.34		2.02 $\pm$ 0.77		5.34 $\pm$ 1.77	
	Neu%		51.0 $\pm$ 9.0		56.6 $\pm$ 9.0		63.7 $\pm$ 9.0	
	Lym%		39.0 $\pm$ 9.0		32.2 $\pm$ 8.0		20.5 $\pm$ 8.0	
	Mon%		5.5 $\pm$ 4.0		4.4 $\pm$ 3.0		4.9 $\pm$ 3.0	
	Eos%		4.5 $\pm$ 3.0		6.8 $\pm$ 5.0		10.9 $\pm$ 9.0	
	Bas%		24.2 $\pm$ 10.0		26.5 $\pm$ 10.0		30.3 $\pm$ 10.0	
	RBC $\times 10^{12}/L$		2.33 $\pm$ 0.18		3.95 $\pm$ 0.24		5.00 $\pm$ 0.30	
	HGB g/L		60 $\pm$ 4		117 $\pm$ 6		156 $\pm$ 8	
	HCT %		19.2 $\pm$ 1.5		37.4 $\pm$ 2.0		50.8 $\pm$ 2.4	
	MCV fL		82.5 $\pm$ 5.0		94.8 $\pm$ 5.0		101.6 $\pm$ 5.0	
	MCH pg		25.8 $\pm$ 2.5		29.6 $\pm$ 2.5		31.2 $\pm$ 2.5	
	MCHC g/L		312 $\pm$ 30		312 $\pm$ 30		307 $\pm$ 30	
	RDW-CV %		17.0 $\pm$ 3.0		14.2 $\pm$ 3.0		14.6 $\pm$ 3.0	
	RDW-SD fL		49.5 $\pm$ 8.0		47.8 $\pm$ 8.0		52.3 $\pm$ 8.0	
	PLT $\times 10^9/L$		47 $\pm$ 20		252 $\pm$ 40		490 $\pm$ 60	
	MPV fL		10.0 $\pm$ 3.0		9.3 $\pm$ 3.0		9.2 $\pm$ 3.0	
	PCT %*		0.047 $\pm$ 0.047		0.234 $\pm$ 0.100		0.451 $\pm$ 0.200	
	PDW*		15.3 $\pm$ 3.0		16.0 $\pm$ 3.0		16.2 $\pm$ 3.0	
	P-LCC $\times 10^9/L$		12 $\pm$ 12		54 $\pm$ 25		103 $\pm$ 35	
	P-LCR %		26.1 $\pm$ 10.0		21.4 $\pm$ 10.0		21.0 $\pm$ 10.0	
BC-5300, BC-5100	WBC $\times 10^9/L$		3.26 $\pm$ 0.50		7.57 $\pm$ 1.00		17.33 $\pm$ 2.50	
BC-5380, BC-5180	Neu# $\times 10^9/L$		1.68 $\pm$ 0.30		4.41 $\pm$ 0.69		11.42 $\pm$ 1.56	
QC Mode	Lym# $\times 10^9/L$		1.37 $\pm$ 0.30		2.51 $\pm$ 0.68		3.55 $\pm$ 1.39	
	Mon# $\times 10^9/L$		0.05 $\pm$ 0.13		0.11 $\pm$ 0.37		0.33 $\pm$ 1.05	
	Eos# $\times 10^9/L$		0.15 $\pm$ 0.10		0.54 $\pm$ 0.38		2.03 $\pm$ 1.39	
	Bas# $\times 10^9/L$		1.80 $\pm$ 0.33		4.90 $\pm$ 0.76		13.48 $\pm$ 1.74	
	Neu%		51.6 $\pm$ 9.0		58.2 $\pm$ 9.0		65.9 $\pm$ 9.0	
	Lym%		42.1 $\pm$ 9.0		33.2 $\pm$ 9.0		20.5 $\pm$ 8.0	
	Mon%		1.6 $\pm$ 4.0		1.5 $\pm$ 5.0		1.9 $\pm$ 6.0	
	Eos%		4.7 $\pm$ 3.0		7.1 $\pm$ 5.0		11.7 $\pm$ 8.0	
	Bas%		55.2 $\pm$ 10.0		64.7 $\pm$ 10.0		77.8 $\pm$ 10.0	
	RBC $\times 10^{12}/L$		2.33 $\pm$ 0.18		3.97 $\pm$ 0.24		4.96 $\pm$ 0.30	
	HGB g/L		61 $\pm$ 4		117 $\pm$ 6		156 $\pm$ 8	
	HCT %		19.6 $\pm$ 1.5		38.2 $\pm$ 2.0		51.2 $\pm$ 2.4	
	MCV fL		84.2 $\pm$ 5.0		96.2 $\pm$ 5.0		103.2 $\pm$ 5.0	
	MCH pg		26.2 $\pm$ 2.5		29.5 $\pm$ 2.5		31.5 $\pm$ 2.5	
	MCHC g/L		311 $\pm$ 30		306 $\pm$ 30		305 $\pm$ 30	
	RDW-CV %		16.7 $\pm$ 3.0		14.4 $\pm$ 3.0		14.6 $\pm$ 3.0	
	RDW-SD fL		58.6 $\pm$ 8.0		57.4 $\pm$ 8.0		62.5 $\pm$ 8.0	
	PLT $\times 10^9/L$		49 $\pm$ 20		260 $\pm$ 40		489 $\pm$ 60	
	MPV fL		9.4 $\pm$ 3.0		8.8 $\pm$ 3.0		8.7 $\pm$ 3.0	
	PCT %*		0.046 $\pm$ 0.046		0.229 $\pm$ 0.100		0.425 $\pm$ 0.200	
	PDW*		15.3 $\pm$ 3.0		16.1 $\pm$ 3.0		16.3 $\pm$ 3.0	

* For Research Use Only

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC2607B



2026-09-10

Instrument	Parameter	Low		Normal		High		+++
		LOT	BC2607BL	LOT	BC2607BN	LOT	BC2607BH	
BC-5000, BC-5150, BC-5120 BC-5130, BC-5140, BC-5000VET QC Mode	WBC $\times 10^9/L$		3.37 $\pm$ 0.50		7.63 $\pm$ 1.00		17.74 $\pm$ 2.50	
	Neu# $\times 10^9/L$		1.63 $\pm$ 0.41		4.15 $\pm$ 0.92		11.05 $\pm$ 2.13	
	Lym# $\times 10^9/L$		1.41 $\pm$ 0.31		2.52 $\pm$ 0.61		3.53 $\pm$ 1.42	
	Mon# $\times 10^9/L$		0.14 $\pm$ 0.14		0.34 $\pm$ 0.34		0.89 $\pm$ 0.89	
	Eos# $\times 10^9/L$		0.16 $\pm$ 0.16		0.53 $\pm$ 0.53		1.93 $\pm$ 1.93	
	Bas# $\times 10^9/L$		0.03 $\pm$ 0.03		0.09 $\pm$ 0.09		0.34 $\pm$ 0.34	
	Neu%		48.2 $\pm$ 12.0		54.4 $\pm$ 12.0		62.3 $\pm$ 12.0	
	Lym%		41.9 $\pm$ 9.0		33.0 $\pm$ 8.0		19.9 $\pm$ 8.0	
	Mon%		4.3 $\pm$ 4.3		4.4 $\pm$ 4.4		5.0 $\pm$ 5.0	
	Eos%		4.7 $\pm$ 4.7		7.0 $\pm$ 7.0		10.9 $\pm$ 10.9	
	Bas%		0.9 $\pm$ 0.9		1.2 $\pm$ 1.2		1.9 $\pm$ 1.9	
	RBC $\times 10^{12}/L$		2.37 $\pm$ 0.18		4.03 $\pm$ 0.24		5.08 $\pm$ 0.30	
	HGB g/L		61 $\pm$ 4		119 $\pm$ 6		160 $\pm$ 8	
	HCT %		19.6 $\pm$ 1.5		37.7 $\pm$ 2.0		50.5 $\pm$ 2.4	
	MCV fL		82.9 $\pm$ 5.0		93.6 $\pm$ 5.0		99.4 $\pm$ 5.0	
	MCH pg		25.7 $\pm$ 2.5		29.5 $\pm$ 2.5		31.5 $\pm$ 2.5	
	MCHC g/L		310 $\pm$ 30		315 $\pm$ 30		317 $\pm$ 30	
	RDW-CV %		20.2 $\pm$ 3.0		16.9 $\pm$ 3.0		16.9 $\pm$ 3.0	
	RDW-SD fL		61.0 $\pm$ 8.0		57.3 $\pm$ 8.0		61.5 $\pm$ 8.0	
	PLT $\times 10^9/L$		52 $\pm$ 20		266 $\pm$ 40		511 $\pm$ 60	
BC-5300Vet, BC-5100Vet QC Mode	MPV fL		11.4 $\pm$ 3.0		10.6 $\pm$ 3.0		10.5 $\pm$ 3.0	
	PCT %*		0.059 $\pm$ 0.059		0.282 $\pm$ 0.100		0.537 $\pm$ 0.200	
	PDW*		15.2 $\pm$ 3.0		16.2 $\pm$ 3.0		16.5 $\pm$ 3.0	
	P-LCC $\times 10^9/L$ **		19 $\pm$ 19		82 $\pm$ 25		153 $\pm$ 35	
	P-LCR %**		36.4 $\pm$ 10.0		30.9 $\pm$ 10.0		29.9 $\pm$ 10.0	
	WBC $\times 10^9/L$		3.26 $\pm$ 0.50		7.57 $\pm$ 1.00		17.33 $\pm$ 2.50	
	Neu# $\times 10^9/L$		1.68 $\pm$ 0.30		4.41 $\pm$ 0.69		11.42 $\pm$ 1.56	
	Lym# $\times 10^9/L$		1.37 $\pm$ 0.30		2.51 $\pm$ 0.68		3.55 $\pm$ 1.39	
	Mon# $\times 10^9/L$		0.05 $\pm$ 0.13		0.11 $\pm$ 0.37		0.33 $\pm$ 1.05	
	Eos# $\times 10^9/L$		0.15 $\pm$ 0.10		0.54 $\pm$ 0.38		2.03 $\pm$ 1.39	
	Neu%		51.6 $\pm$ 9.0		58.2 $\pm$ 9.0		65.9 $\pm$ 9.0	
	Lym%		42.1 $\pm$ 9.0		33.2 $\pm$ 9.0		20.5 $\pm$ 8.0	
	Mon%		1.6 $\pm$ 4.0		1.5 $\pm$ 5.0		1.9 $\pm$ 6.0	
	Eos%		4.7 $\pm$ 3.0		7.1 $\pm$ 5.0		11.7 $\pm$ 8.0	
	RBC $\times 10^{12}/L$		2.33 $\pm$ 0.18		3.97 $\pm$ 0.24		4.96 $\pm$ 0.30	
	HGB g/L		61 $\pm$ 4		117 $\pm$ 6		156 $\pm$ 8	
	HCT %		19.6 $\pm$ 1.5		38.2 $\pm$ 2.0		51.2 $\pm$ 2.4	
	MCV fL		84.2 $\pm$ 5.0		96.2 $\pm$ 5.0		103.2 $\pm$ 5.0	
	MCH pg		26.2 $\pm$ 2.5		29.5 $\pm$ 2.5		31.5 $\pm$ 2.5	
	MCHC g/L		311 $\pm$ 30		306 $\pm$ 30		305 $\pm$ 30	
	RDW-CV %		16.7 $\pm$ 3.0		14.4 $\pm$ 3.0		14.6 $\pm$ 3.0	
	RDW-SD fL		58.6 $\pm$ 8.0		57.4 $\pm$ 8.0		62.5 $\pm$ 8.0	
	PLT $\times 10^9/L$		49 $\pm$ 20		260 $\pm$ 40		489 $\pm$ 60	
	MPV fL		9.4 $\pm$ 3.0		8.8 $\pm$ 3.0		8.7 $\pm$ 3.0	
	PCT %*		0.046 $\pm$ 0.046		0.229 $\pm$ 0.100		0.425 $\pm$ 0.200	
	PDW*		15.3 $\pm$ 3.0		16.1 $\pm$ 3.0		16.3 $\pm$ 3.0	

* For Research Use Only

** These parameters are not provided on BC-5000/BC-5000 Vet analyzers

Before using, refer to the instruction sheet for mixing directions.

All brands and products are trademarks or registered trademarks of their respective companies.



Mindray

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.

Mindray Building, Keji 12th Road South, Hi-tech Industrial Park, Nanshan, ShenZhen 518057, P.R.China

Tel: +86 755 81888998

Fax: +86 755 26582680

EC REP

Shanghai International Holding Corp. GmbH (Europe)

Eiffestraße 80 20537 Hamburg, Germany

Tel: 0049-40-2513175

Fax: 0049-40-255726