

CBC-5DMR

For MINDRAY
HEMATOLOGY CONTROLS**CONTROL**

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2511B**
 **2026-01-10**

Instrument	Parameter	Low		Normal		High	
		LOT	BC2511BL	LOT	BC2511BN	LOT	BC2511BH
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L		3.39 ± 0.50		7.71 ± 1.00		18.26 ± 2.50 +
	Neu x 10 ⁹ /L		1.64 ± 0.31		4.38 ± 0.70		11.77 ± 1.65
	Lym x 10 ⁹ /L		1.37 ± 0.31		2.35 ± 0.62		4.15 ± 1.65
	Mon x 10 ⁹ /L		0.21 ± 0.17		0.42 ± 0.39		0.68 ± 0.65
	Eos x 10 ⁹ /L		0.14 ± 0.11		0.48 ± 0.39		1.48 ± 1.28
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.18 ± 0.18
	Neu %		48.3 ± 9.0		56.8 ± 9.0		64.5 ± 9.0
	Lym %		40.4 ± 9.0		30.5 ± 8.0		22.7 ± 9.0
	Mon %		6.2 ± 5.0		5.5 ± 5.0		3.7 ± 3.5
	Eos %		4.1 ± 3.0		6.2 ± 5.0		8.1 ± 7.0
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0
	RBC x 10 ¹² /L		2.18 ± 0.18		4.04 ± 0.24		4.91 ± 0.30
	HGB g/dL		5.9 ± 0.4		12.8 ± 0.6		16.7 ± 0.8
	HCT %		18.1 ± 1.5		38.7 ± 2.0		51.9 ± 2.4
	MCV fL		83.1 ± 5.0		95.9 ± 5.0		105.8 ± 5.0
	MCH pg		27.1 ± 2.5		31.7 ± 2.5		34.0 ± 2.5
	MCHC g/dL		32.6 ± 3.0		33.0 ± 3.0		32.1 ± 3.0
	RDW-CV %		16.5 ± 3.0		13.9 ± 3.0		14.1 ± 3.0
	RDW-SD fL		48.2 ± 10.0		49.3 ± 10.0		54.8 ± 10.0
	PLT x 10 ⁹ /L		52 ± 20		261 ± 40		507 ± 60
	MPV fL		7.6 ± 3.0		8.6 ± 3.0		9.0 ± 3.0
	PCT % *		0.040 ± 0.040		0.224 ± 0.100		0.456 ± 0.200
	PDW *		15.7 ± 3.0		16.1 ± 3.0		15.6 ± 3.0
	P-LCC x 10 ⁹ /L		7 ± 7		57 ± 25		125 ± 35
	P-LCR %		14.1 ± 10.0		21.9 ± 10.0		24.7 ± 10.0
BC-5390 QC Mode	WBC x 10 ⁹ /L		3.25 ± 0.50		7.55 ± 1.00		17.50 ± 2.50
	Neu x 10 ⁹ /L		1.66 ± 0.30		4.49 ± 0.68		11.64 ± 1.58
	Lym x 10 ⁹ /L		1.12 ± 0.30		1.89 ± 0.68		3.33 ± 1.41
	Mon x 10 ⁹ /L		0.28 ± 0.23		0.53 ± 0.46		0.88 ± 0.71
	Eos x 10 ⁹ /L		0.20 ± 0.17		0.64 ± 0.53		1.66 ± 1.40
	Bas x 10 ⁹ /L		0.83 ± 0.33		2.15 ± 0.76		5.34 ± 1.75
	Neu %		51.0 ± 9.0		59.5 ± 9.0		66.5 ± 9.0
	Lym %		34.5 ± 9.0		25.0 ± 9.0		19.0 ± 8.0
	Mon %		8.5 ± 7.0		7.0 ± 6.0		5.0 ± 4.0
	Eos %		6.0 ± 5.0		8.5 ± 7.0		9.5 ± 8.0
	Bas %		25.5 ± 10.0		28.5 ± 10.0		30.5 ± 10.0
	RBC x 10 ¹² /L		2.11 ± 0.18		3.99 ± 0.24		4.84 ± 0.30
	HGB g/dL		5.4 ± 0.4		11.8 ± 0.6		15.5 ± 0.8
	HCT %		17.4 ± 1.5		37.5 ± 2.0		50.1 ± 2.4
	MCV fL		82.5 ± 5.0		94.0 ± 5.0		103.5 ± 5.0
	MCH pg		25.6 ± 2.5		29.6 ± 2.5		32.0 ± 2.5
	MCHC g/dL		31.0 ± 3.0		31.5 ± 3.0		30.9 ± 3.0
	RDW-CV %		16.0 ± 3.0		14.0 ± 3.0		14.0 ± 3.0
	RDW-SD fL		49.5 ± 8.0		49.5 ± 8.0		53.5 ± 8.0
	PLT x 10 ⁹ /L		53 ± 20		257 ± 40		504 ± 60
	MPV fL		10.7 ± 3.0		11.5 ± 3.0		11.7 ± 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.

CBC-5DMR

For MINDRAY
HEMATOLOGY CONTROLS**CONTROL**

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2511B**
 **2026-01-10**

Instrument	Parameter	Low		Normal		High	
		LOT	BC2511BL	LOT	BC2511BN	LOT	BC2511BH
BC-5390 CRP	WBC x 10 ⁹ /L		3.31 ± 0.50		7.59 ± 1.00		17.81 ± 2.50
BC-5310 CRP	Neu x 10 ⁹ /L		1.68 ± 0.30		4.56 ± 0.69		11.95 ± 1.61
QC Mode	Lym x 10 ⁹ /L		1.13 ± 0.30		1.93 ± 0.61		3.40 ± 1.43
	Mon x 10 ⁹ /L		0.30 ± 0.26		0.52 ± 0.46		0.91 ± 0.72
	Eos x 10 ⁹ /L		0.20 ± 0.17		0.58 ± 0.46		1.55 ± 1.25
	Bas x 10 ⁹ /L		0.85 ± 0.33		2.16 ± 0.76		5.45 ± 1.79
	Neu %		50.6 ± 9.0		60.1 ± 9.0		67.1 ± 9.0
	Lym %		34.1 ± 9.0		25.4 ± 8.0		19.1 ± 8.0
	Mon %		9.2 ± 8.0		6.8 ± 6.0		5.1 ± 4.0
	Eos %		6.1 ± 5.0		7.7 ± 6.0		8.7 ± 7.0
	Bas %		25.8 ± 10.0		28.5 ± 10.0		30.6 ± 10.0
	RBC x 10 ¹² /L		2.14 ± 0.18		3.99 ± 0.24		4.87 ± 0.30
	HGB g/dL		5.4 ± 0.4		11.8 ± 0.6		15.6 ± 0.8
	HCT %		17.3 ± 1.5		37.5 ± 2.0		50.6 ± 2.4
	MCV fL		80.8 ± 5.0		94.1 ± 5.0		103.9 ± 5.0
	MCH pg		25.2 ± 2.5		29.6 ± 2.5		32.0 ± 2.5
	MCHC g/dL		31.2 ± 3.0		31.4 ± 3.0		30.8 ± 3.0
	RDW-CV %		16.7 ± 3.0		14.5 ± 3.0		14.5 ± 3.0
	RDW-SD fL		47.7 ± 8.0		48.5 ± 8.0		53.2 ± 8.0
	PLT x 10 ⁹ /L		46 ± 20		249 ± 40		498 ± 60
	MPV fL		8.6 ± 3.0		9.5 ± 3.0		9.6 ± 3.0
	PCT % *		0.040 ± 0.040		0.237 ± 0.100		0.478 ± 0.200
	PDW *		15.4 ± 3.0		16.2 ± 3.0		15.8 ± 3.0
	P-LCC x 10 ⁹ /L		7 ± 7		54 ± 25		115 ± 35
	P-LCR %		15.9 ± 10.0		21.8 ± 10.0		23.1 ± 10.0
BC-5300, BC-5100	WBC x 10 ⁹ /L		3.20 ± 0.50		7.35 ± 1.00		17.45 ± 2.50
BC-5380, BC-5180	Neu x 10 ⁹ /L		1.68 ± 0.32		4.59 ± 0.74		12.22 ± 1.75
QC Mode	Lym x 10 ⁹ /L		1.12 ± 0.29		2.06 ± 0.67		3.40 ± 1.57
(Software version lower than 1.24.00.16860)	Mon x 10 ⁹ /L		0.19 ± 0.16		0.22 ± 0.22		0.44 ± 0.44
	Eos x 10 ⁹ /L		0.21 ± 0.17		0.48 ± 0.37		1.40 ± 1.05
	Bas x 10 ⁹ /L		1.86 ± 0.32		5.15 ± 0.74		13.70 ± 1.75
	Neu %		52.5 ± 10.0		62.5 ± 10.0		70.0 ± 10.0
	Lym %		35.0 ± 9.0		28.0 ± 9.0		19.5 ± 9.0
	Mon %		6.0 ± 5.0		3.0 ± 3.0		2.5 ± 2.5
	Eos %		6.5 ± 5.0		6.5 ± 5.0		8.0 ± 6.0
	Bas %		58.0 ± 10.0		70.0 ± 10.0		78.5 ± 10.0
	RBC x 10 ¹² /L		2.14 ± 0.18		3.97 ± 0.24		4.87 ± 0.30
	HGB g/dL		5.5 ± 0.4		11.7 ± 0.6		15.5 ± 0.8
	HCT %		18.2 ± 1.5		38.9 ± 2.0		52.4 ± 2.4
	MCV fL		85.0 ± 5.0		98.0 ± 5.0		107.5 ± 5.0
	MCH pg		25.7 ± 2.5		29.5 ± 2.5		31.8 ± 2.5
	MCHC g/dL		30.2 ± 3.0		30.1 ± 3.0		29.6 ± 3.0
	RDW-CV %		16.0 ± 3.0		14.0 ± 3.0		14.0 ± 3.0
	RDW-SD fL		60.0 ± 8.0		60.5 ± 8.0		65.0 ± 8.0
	PLT x 10 ⁹ /L		48 ± 20		242 ± 40		480 ± 60
	MPV fL		7.8 ± 3.0		8.5 ± 3.0		8.7 ± 3.0
	PCT % *		0.037 ± 0.037		0.205 ± 0.100		0.417 ± 0.200
	PDW *		15.7 ± 3.0		16.1 ± 3.0		15.8 ± 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.

CBC-5DMR

For MINDRAY
HEMATOLOGY CONTROLS**CONTROL**

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2511B**
 **2026-01-10**

Instrument	Parameter	Low		Normal		High	
		LOT	BC2511BL	LOT	BC2511BN	LOT	BC2511BH
BC-5300, BC-5100	WBC x 10 ⁹ /L		3.24 ± 0.50		7.48 ± 1.00		17.55 ± 2.50
BC-5380, BC-5180	Neu x 10 ⁹ /L		1.72 ± 0.33		4.84 ± 0.75		12.29 ± 1.76
QC Mode	Lym x 10 ⁹ /L		1.13 ± 0.30		1.97 ± 0.68		3.35 ± 1.41
(Software version 1.24.00.16860 or higher)	Mon x 10 ⁹ /L		0.18 ± 0.13		0.21 ± 0.21		0.51 ± 0.51
	Eos x 10 ⁹ /L		0.21 ± 0.16		0.46 ± 0.38		1.40 ± 1.05
	Bas x 10 ⁹ /L		1.89 ± 0.33		5.27 ± 0.75		13.81 ± 1.76
	Neu %		52.8 ± 10.0		64.7 ± 10.0		70.0 ± 10.0
	Lym %		34.9 ± 9.0		26.4 ± 9.0		19.1 ± 8.0
	Mon %		5.7 ± 4.0		2.8 ± 2.8		2.9 ± 2.9
	Eos %		6.6 ± 5.0		6.1 ± 5.0		8.0 ± 6.0
	Bas %		58.3 ± 10.0		70.5 ± 10.0		78.7 ± 10.0
	RBC x 10 ¹² /L		2.15 ± 0.18		3.99 ± 0.24		4.84 ± 0.30
	HGB g/dL		5.5 ± 0.4		11.9 ± 0.6		15.6 ± 0.8
	HCT %		17.8 ± 1.5		38.3 ± 2.0		50.9 ± 2.4
	MCV fL		83.0 ± 5.0		96.0 ± 5.0		105.2 ± 5.0
	MCH pg		25.6 ± 2.5		29.8 ± 2.5		32.2 ± 2.5
	MCHC g/dL		30.8 ± 3.0		31.1 ± 3.0		30.6 ± 3.0
	RDW-CV %		16.4 ± 3.0		14.7 ± 3.0		14.6 ± 3.0
	RDW-SD fL		57.3 ± 8.0		58.5 ± 8.0		64.0 ± 8.0
	PLT x 10 ⁹ /L		48 ± 20		252 ± 40		496 ± 60
	MPV fL		8.1 ± 3.0		8.9 ± 3.0		9.1 ± 3.0
	PCT % *		0.039 ± 0.039		0.224 ± 0.100		0.451 ± 0.200
	PDW *		15.6 ± 3.0		16.3 ± 3.0		15.8 ± 3.0
BC-5000, BC-5150, BC-5140	WBC x 10 ⁹ /L		3.29 ± 0.50		7.53 ± 1.00		17.67 ± 2.50
BC-5130, BC-5120, BC-5000Vet	Neu x 10 ⁹ /L		1.58 ± 0.40		4.48 ± 0.91		11.62 ± 2.12
QC Mode	Lym x 10 ⁹ /L		1.14 ± 0.30		1.91 ± 0.61		3.36 ± 1.42
	Mon x 10 ⁹ /L		0.34 ± 0.34		0.59 ± 0.59		1.08 ± 1.08
	Eos x 10 ⁹ /L		0.20 ± 0.20		0.47 ± 0.47		1.38 ± 1.38
	Bas x 10 ⁹ /L		0.03 ± 0.03		0.08 ± 0.08		0.23 ± 0.23
	Neu %		47.6 ± 12.0		59.6 ± 12.0		65.8 ± 12.0
	Lym %		34.8 ± 9.0		25.3 ± 8.0		19.0 ± 8.0
	Mon %		10.4 ± 10.4		7.9 ± 7.9		6.1 ± 6.1
	Eos %		6.2 ± 6.2		6.2 ± 6.2		7.8 ± 7.8
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.3 ± 1.3
	RBC x 10 ¹² /L		2.17 ± 0.18		4.07 ± 0.24		4.98 ± 0.30
	HGB g/dL		5.6 ± 0.4		12.1 ± 0.6		16.1 ± 0.8
	HCT %		17.8 ± 1.5		38.3 ± 2.0		50.4 ± 2.4
	MCV fL		81.9 ± 5.0		94.0 ± 5.0		101.3 ± 5.0
	MCH pg		25.8 ± 2.5		29.7 ± 2.5		32.3 ± 2.5
	MCHC g/dL		31.5 ± 3.0		31.6 ± 3.0		31.9 ± 3.0
	RDW-CV %		19.9 ± 3.0		16.9 ± 3.0		16.8 ± 3.0
	RDW-SD fL		59.4 ± 8.0		58.6 ± 8.0		63.2 ± 8.0
	PLT x 10 ⁹ /L		51 ± 20		260 ± 40		518 ± 60
	MPV fL		9.8 ± 3.0		10.7 ± 3.0		11.1 ± 3.0
	PCT % *		0.050 ± 0.050		0.278 ± 0.100		0.575 ± 0.200
	PDW *		15.3 ± 3.0		16.2 ± 3.0		16.0 ± 3.0
	P-LCC x 10 ⁹ /L **		13 ± 13		82 ± 25		176 ± 35
	P-LCR %**		25.6 ± 10.0		31.5 ± 10.0		33.9 ± 10.0

* For Research Use Only

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

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

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

R&D Systems, Inc.

614 McKinley Place NE

Minneapolis, MN 55413 USA

AS136-014 Rev. 09/22

CBC-5DMR

For MINDRAY
HEMATOLOGY CONTROLS**CONTROL**

ASSAY VALUES AND EXPECTED RANGES

LOT **BC2511B**
 **2026-01-10**

Instrument	Parameter	Low		Normal		High	
		LOT	BC2511BL	LOT	BC2511BN	LOT	BC2511BH
BC-5300 Vet, BC-5100Vet QC Mode	WBC x 10 ⁹ /L		3.20 ± 0.50		7.35 ± 1.00		17.45 ± 2.50
	Neu x 10 ⁹ /L		1.68 ± 0.32		4.59 ± 0.74		12.22 ± 1.75
	Lym x 10 ⁹ /L		1.12 ± 0.29		2.06 ± 0.67		3.40 ± 1.57
	Mon x 10 ⁹ /L		0.19 ± 0.16		0.22 ± 0.22		0.44 ± 0.44
	Eos x 10 ⁹ /L		0.21 ± 0.17		0.48 ± 0.37		1.40 ± 1.05
	Neu %		52.5 ± 10.0		62.5 ± 10.0		70.0 ± 10.0
	Lym %		35.0 ± 9.0		28.0 ± 9.0		19.5 ± 9.0
	Mon %		6.0 ± 5.0		3.0 ± 3.0		2.5 ± 2.5
	Eos %		6.5 ± 5.0		6.5 ± 5.0		8.0 ± 6.0
	RBC x 10 ¹² /L		2.14 ± 0.18		3.97 ± 0.24		4.87 ± 0.30
	HGB g/dL		5.5 ± 0.4		11.7 ± 0.6		15.5 ± 0.8
	HCT %		18.2 ± 1.5		38.9 ± 2.0		52.4 ± 2.4
	MCV fL		85.0 ± 5.0		98.0 ± 5.0		107.5 ± 5.0
	MCH pg		25.7 ± 2.5		29.5 ± 2.5		31.8 ± 2.5
	MCHC g/dL		30.2 ± 3.0		30.1 ± 3.0		29.6 ± 3.0
	RDW-CV %		16.0 ± 3.0		14.0 ± 3.0		14.0 ± 3.0
	RDW-SD fL		60.0 ± 8.0		60.5 ± 8.0		65.0 ± 8.0
	PLT x 10 ⁹ /L		48 ± 20		242 ± 40		480 ± 60
	MPV fL		7.8 ± 3.0		8.5 ± 3.0		8.7 ± 3.0
	PCT % *		0.037 ± 0.037		0.205 ± 0.100		0.417 ± 0.200
	PDW *		15.7 ± 3.0		16.1 ± 3.0		15.8 ± 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.

R&D Systems, Inc.
 614 McKinley Place NE
 Minneapolis, MN 55413 USA
 AS136-014 Rev. 09/22