

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

BC411



2015-01-10

Instrument	Parameter	Low		Normal		High		+
		LOT	BC411L	LOT	BC411N	LOT	BC411H	
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L		3.44 ± 0.50		7.90 ± 1.00		18.58 ± 2.50	
	Neu x 10 ⁹ /L		1.60 ± 0.35		4.24 ± 0.70		11.40 ± 1.50	
	Lym x 10 ⁹ /L		1.29 ± 0.35		2.28 ± 0.70		3.66 ± 1.35	
	Mon x 10 ⁹ /L		0.32 ± 0.30		0.70 ± 0.60		1.65 ± 1.25	
	Eos x 10 ⁹ /L		0.13 ± 0.13		0.58 ± 0.45		1.77 ± 1.35	
	Bas x 10 ⁹ /L		0.10 ± 0.10		0.10 ± 0.10		0.10 ± 0.10	
	Neu %		48.1 ± 9.0		53.9 ± 8.0		60.9 ± 8.0	
	Lym %		37.6 ± 9.0		28.9 ± 8.0		19.7 ± 7.0	
	Mon %		9.4 ± 7.0		8.8 ± 7.0		8.9 ± 6.5	
	Eos %		3.9 ± 3.5		7.4 ± 5.0		9.5 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.55 ± 0.18		4.63 ± 0.24		5.40 ± 0.30	
	HGB g/L		63 ± 4		134 ± 6		165 ± 8	
	HCT %		19.3 ± 1.5		41.5 ± 2.0		50.8 ± 2.4	
	MCV fL		75.8 ± 5.0		89.6 ± 5.0		94.1 ± 5.0	
	MCH pg		24.7 ± 2.5		28.9 ± 2.5		30.6 ± 2.5	
	MCHC g/L		326 ± 30		323 ± 30		325 ± 30	
	RDW-CV %		16.9 ± 3.0		15.2 ± 3.0		13.7 ± 3.0	
	RDW-SD fL		49.0 ± 8.0		50.1 ± 8.0		48.1 ± 8.0	
	PLT x 10 ⁹ /L		53 ± 20		266 ± 40		556 ± 60	
MPV fL		8.2 ± 3.0		8.0 ± 3.0		8.9 ± 3.0		
PCT % *		0.043 ± 0.043		0.213 ± 0.100		0.495 ± 0.200		
PDW fL *		16.3 ± 3.0		16.0 ± 3.0		16.3 ± 3.0		
P-LCC x 10 ⁹ /L		14 ± 9		59 ± 15		164 ± 25		
P-LCR %		25.7 ± 10.0		22.1 ± 10.0		29.5 ± 10.0		
BC-5500, BC-5200 QC Mode	WBC 10 ⁹ /L		3.39 ± 0.50		7.78 ± 1.00		17.94 ± 2.50	
	Neu x 10 ⁹ /L		1.48 ± 0.35		4.08 ± 0.65		10.76 ± 1.45	
	Lym x 10 ⁹ /L		1.31 ± 0.35		2.29 ± 0.65		3.68 ± 1.30	
	Mon x 10 ⁹ /L		0.35 ± 0.30		0.77 ± 0.55		1.79 ± 1.30	
	Eos x 10 ⁹ /L		0.15 ± 0.14		0.54 ± 0.40		1.61 ± 1.30	
	Bas x 10 ⁹ /L		0.10 ± 0.10		0.10 ± 0.10		0.10 ± 0.10	
	Neu %		45.7 ± 9.0		52.8 ± 8.0		59.5 ± 8.0	
	Lym %		38.7 ± 9.0		29.4 ± 8.0		20.5 ± 7.0	
	Mon %		10.3 ± 8.0		9.9 ± 7.0		10.0 ± 7.0	
	Eos %		4.3 ± 4.0		6.9 ± 5.0		9.0 ± 7.0	
	Bas %		1.0 ± 1.0		1.0 ± 1.0		1.0 ± 1.0	
	RBC x 10 ¹² /L		2.54 ± 0.18		4.50 ± 0.24		5.22 ± 0.30	
	HGB g/L		62 ± 4		135 ± 6		165 ± 8	
	HCT %		18.1 ± 1.5		38.4 ± 2.0		46.6 ± 2.4	
	MCV fL		71.3 ± 5.0		85.3 ± 5.0		89.3 ± 5.0	
	MCH pg		24.4 ± 2.5		30.0 ± 2.5		31.6 ± 2.5	
	MCHC g/L		342 ± 30		352 ± 30		354 ± 30	
	RDW-CV %		12.6 ± 3.0		11.6 ± 3.0		11.2 ± 3.0	
	RDW-SD fL		30.0 ± 8.0		36.3 ± 8.0		35.3 ± 8.0	
	PLT x 10 ⁹ /L		51 ± 20		252 ± 40		523 ± 60	
MPV fL		8.6 ± 3.0		8.7 ± 3.0		9.7 ± 3.0		
PCT % *		0.044 ± 0.044		0.219 ± 0.100		0.507 ± 0.200		
PDW fL *		16.2 ± 3.0		16.2 ± 3.0		16.6 ± 3.0		

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		LOT	BC411L	LOT	BC411N	LOT	BC411H	
BC-5300, BC-5100	WBC $10^9/L$		3.38 ± 0.50		7.88 ± 1.00		18.39 ± 2.50	
QC Mode	Neu x $10^9/L$		1.70 ± 0.35		4.50 ± 0.65		11.71 ± 1.50	
	Lym x $10^9/L$		1.28 ± 0.35		2.21 ± 0.65		3.46 ± 1.30	
	Mon x $10^9/L$		0.27 ± 0.25		0.60 ± 0.45		1.42 ± 0.95	
	Eos x $10^9/L$		0.13 ± 0.13		0.57 ± 0.45		1.80 ± 1.50	
	Bas x $10^9/L$		1.74 ± 0.30		5.19 ± 0.65		14.23 ± 1.50	
	Neu %		50.4 ± 9.0		57.2 ± 8.0		63.7 ± 8.0	
	Lym %		37.8 ± 9.0		28.0 ± 8.0		18.8 ± 7.0	
	Mon %		8.1 ± 6.0		7.6 ± 5.0		7.7 ± 5.0	
	Eos %		3.7 ± 3.5		7.2 ± 5.0		9.8 ± 8.0	
	Bas %		51.6 ± 8.0		65.8 ± 8.0		77.4 ± 8.0	
	RBC x $10^{12}/L$		2.43 ± 0.18		4.45 ± 0.24		5.21 ± 0.30	
	HGB g/L		61 ± 4		134 ± 6		165 ± 8	
	HCT %		19.1 ± 1.5		40.5 ± 2.0		50.8 ± 2.4	
	MCV fL		78.8 ± 5.0		91.1 ± 5.0		97.5 ± 5.0	
	MCH pg		25.1 ± 2.5		30.1 ± 2.5		31.7 ± 2.5	
	MCHC g/L		319 ± 30		331 ± 30		325 ± 30	
	RDW-CV %		16.5 ± 3.0		14.8 ± 3.0		13.8 ± 3.0	
	RDW-SD fL		55.9 ± 8.0		55.9 ± 8.0		56.6 ± 8.0	
	PLT x $10^9/L$		44 ± 20		241 ± 40		505 ± 60	
	MPV fL		8.8 ± 3.0		8.5 ± 3.0		9.3 ± 3.0	
	PCT % *		0.039 ± 0.039		0.205 ± 0.100		0.470 ± 0.200	
	PDW fL *		15.9 ± 3.0		16.1 ± 3.0		16.3 ± 3.0	
BC-5380, BC-5180	WBC $10^9/L$		3.37 ± 0.50		7.77 ± 1.00		18.02 ± 2.50	
QC Mode	Neu x $10^9/L$		1.70 ± 0.30		4.46 ± 0.65		11.46 ± 1.45	
	Lym x $10^9/L$		1.29 ± 0.30		2.16 ± 0.65		3.41 ± 1.30	
	Mon x $10^9/L$		0.26 ± 0.20		0.58 ± 0.40		1.37 ± 1.10	
	Eos x $10^9/L$		0.12 ± 0.12		0.57 ± 0.40		1.78 ± 1.45	
	Bas x $10^9/L$		1.78 ± 0.30		5.17 ± 0.65		14.09 ± 1.45	
	Neu %		50.2 ± 9.0		57.3 ± 8.0		63.6 ± 8.0	
	Lym %		38.3 ± 9.0		27.8 ± 8.0		18.9 ± 7.0	
	Mon %		7.8 ± 6.0		7.5 ± 5.0		7.6 ± 6.0	
	Eos %		3.7 ± 3.5		7.4 ± 5.0		9.9 ± 8.0	
	Bas %		52.8 ± 8.0		66.5 ± 8.0		78.2 ± 8.0	
	RBC x $10^{12}/L$		2.45 ± 0.18		4.43 ± 0.24		5.12 ± 0.30	
	HGB g/L		62 ± 4		132 ± 6		163 ± 8	
	HCT %		19.1 ± 1.5		40.1 ± 2.0		49.7 ± 2.4	
	MCV fL		78.1 ± 5.0		90.6 ± 5.0		97.0 ± 5.0	
	MCH pg		25.3 ± 2.5		29.8 ± 2.5		31.8 ± 2.5	
	MCHC g/L		324 ± 30		329 ± 30		328 ± 30	
	RDW-CV %		15.7 ± 3.0		14.1 ± 3.0		13.2 ± 3.0	
	RDW-SD fL		55.4 ± 8.0		54.9 ± 8.0		54.9 ± 8.0	
	PLT x $10^9/L$		47 ± 20		243 ± 40		495 ± 60	
	MPV fL		9.0 ± 3.0		8.7 ± 3.0		9.4 ± 3.0	
	PCT % *		0.042 ± 0.042		0.211 ± 0.100		0.465 ± 0.200	
	PDW fL *		15.9 ± 3.0		16.1 ± 3.0		16.3 ± 3.0	

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Instrument	Parameter	Low		Normal		High		+++
		LOT	BC411L	LOT	BC411N	LOT	BC411H	
BC-5300Vet, BC-5100Vet QC Mode	WBC $10^9/L$		3.38 ± 0.50		7.88 ± 1.00		18.39 ± 2.50	
	Neu x $10^9/L$		1.70 ± 0.35		4.50 ± 0.65		11.71 ± 1.50	
	Lym x $10^9/L$		1.28 ± 0.35		2.21 ± 0.65		3.46 ± 1.30	
	Mon x $10^9/L$		0.27 ± 0.25		0.60 ± 0.45		1.42 ± 0.95	
	Eos x $10^9/L$		0.13 ± 0.13		0.57 ± 0.45		1.80 ± 1.50	
	Neu %		50.4 ± 9.0		57.2 ± 8.0		63.7 ± 8.0	
	Lym %		37.8 ± 9.0		28.0 ± 8.0		18.8 ± 7.0	
	Mon %		8.1 ± 6.0		7.6 ± 5.0		7.7 ± 5.0	
	Eos %		3.7 ± 3.5		7.2 ± 5.0		9.8 ± 8.0	
	RBC x $10^{12}/L$		2.43 ± 0.18		4.45 ± 0.24		5.21 ± 0.30	
	HGB g/L		61 ± 4		134 ± 6		165 ± 8	
	HCT %		19.1 ± 1.5		40.5 ± 2.0		50.8 ± 2.4	
	MCV fL		78.8 ± 5.0		91.1 ± 5.0		97.5 ± 5.0	
	MCH pg		25.1 ± 2.5		30.1 ± 2.5		31.7 ± 2.5	
	MCHC g/L		319 ± 30		331 ± 30		325 ± 30	
	RDW-CV %		16.5 ± 3.0		14.8 ± 3.0		13.8 ± 3.0	
	RDW-SD fL		55.9 ± 8.0		55.9 ± 8.0		56.6 ± 8.0	
	PLT x $10^9/L$		44 ± 20		241 ± 40		505 ± 60	
	MPV fL		8.8 ± 3.0		8.5 ± 3.0		9.3 ± 3.0	
	PCT % *		0.039 ± 0.039		0.205 ± 0.100		0.470 ± 0.200	
PDW fL *		15.9 ± 3.0		16.1 ± 3.0		16.3 ± 3.0		

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