

BC-5D




HEMATOLOGY CONTROLS

CONTROL

REVISED 2025-02-06

 **BC2503B** **2025-05-10**

ASSAY VALUES AND EXPECTED RANGES

		Low		Normal		High	
		 BC2503BL		 BC2503BN		 BC2503BH	
Instrument Parameter		The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-5390 WBC		3.20 ± 0.50 × 10 ³ /μL	3.20 ± 0.50 × 10 ⁹ /L	7.60 ± 1.00 × 10 ³ /μL	7.60 ± 1.00 × 10 ⁹ /L	17.40 ± 2.50 × 10 ³ /μL	17.40 ± 2.50 × 10 ⁹ /L
QC Mode	Neu#	1.73 ± 0.29 × 10 ³ /μL	1.73 ± 0.29 × 10 ⁹ /L	4.41 ± 0.69 × 10 ³ /μL	4.41 ± 0.69 × 10 ⁹ /μL	11.40 ± 1.57 × 10 ³ /μL	11.40 ± 1.57 × 10 ⁹ /μL
	Lym#	1.12 ± 0.29 × 10 ³ /μL	1.12 ± 0.29 × 10 ⁹ /L	2.24 ± 0.69 × 10 ³ /μL	2.24 ± 0.69 × 10 ⁹ /μL	3.13 ± 1.40 × 10 ³ /μL	3.13 ± 1.40 × 10 ⁹ /μL
	Mon#	0.21 ± 0.17 × 10 ³ /μL	0.21 ± 0.17 × 10 ⁹ /L	0.34 ± 0.23 × 10 ³ /μL	0.34 ± 0.23 × 10 ⁹ /μL	1.04 ± 0.70 × 10 ³ /μL	1.04 ± 0.70 × 10 ⁹ /μL
	Eos#	0.14 ± 0.10 × 10 ³ /μL	0.14 ± 0.10 × 10 ⁹ /L	0.61 ± 0.46 × 10 ³ /μL	0.61 ± 0.46 × 10 ⁹ /μL	1.83 ± 1.40 × 10 ³ /μL	1.83 ± 1.40 × 10 ⁹ /μL
	Bas#	0.80 ± 0.32 × 10 ³ /μL	0.80 ± 0.32 × 10 ⁹ /L	2.09 ± 0.76 × 10 ³ /μL	2.09 ± 0.76 × 10 ⁹ /μL	5.39 ± 1.74 × 10 ³ /μL	5.39 ± 1.74 × 10 ⁹ /μL
	Neu%	54.0 ± 9.0 %	54.0 ± 9.0 %	58.0 ± 9.0 %	58.0 ± 9.0 %	65.5 ± 9.0 %	65.5 ± 9.0 %
	Lym%	35.0 ± 9.0 %	35.0 ± 9.0 %	29.5 ± 9.0 %	29.5 ± 9.0 %	18.0 ± 8.0 %	18.0 ± 8.0 %
	Mon%	6.5 ± 5.0 %	6.5 ± 5.0 %	4.5 ± 3.0 %	4.5 ± 3.0 %	6.0 ± 4.0 %	6.0 ± 4.0 %
	Eos%	4.5 ± 3.0 %	4.5 ± 3.0 %	8.0 ± 6.0 %	8.0 ± 6.0 %	10.5 ± 8.0 %	10.5 ± 8.0 %
	Bas%	25.0 ± 10.0 %	25.0 ± 10.0 %	27.5 ± 10.0 %	27.5 ± 10.0 %	31.0 ± 10.0 %	31.0 ± 10.0 %
	RBC	2.01 ± 0.18 × 10 ⁶ /μL	2.01 ± 0.18 × 10 ¹² /L	4.03 ± 0.24 × 10 ⁶ /μL	4.03 ± 0.24 × 10 ¹² /L	4.88 ± 0.30 × 10 ⁶ /μL	4.88 ± 0.30 × 10 ¹² /L
	HGB	5.4 ± 0.4 g/dL	54 ± 4 g/L	11.8 ± 0.6 g/dL	118 ± 6 g/L	15.3 ± 0.8 g/dL	153 ± 8 g/L
	HCT	17.2 ± 1.5 %	17.2 ± 1.5 %	37.1 ± 2.0 %	37.1 ± 2.0 %	49.0 ± 2.4 %	49.0 ± 2.4 %
	MCV	85.5 ± 5.0 fL	85.5 ± 5.0 fL	92.0 ± 5.0 fL	92.0 ± 5.0 fL	100.5 ± 5.0 fL	100.5 ± 5.0 fL
	MCH	26.9 ± 2.5 pg	26.9 ± 2.5 pg	29.3 ± 2.5 pg	29.3 ± 2.5 pg	31.4 ± 2.5 pg	31.4 ± 2.5 pg
	MCHC	31.4 ± 3.0 g/dL	314 ± 30 g/L	31.8 ± 3.0 g/dL	318 ± 30 g/L	31.2 ± 3.0 g/dL	312 ± 30 g/L
	RDW-CV	15.5 ± 3.0 %	15.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.0 ± 3.0 %	13.0 ± 3.0 %
	RDW-SD	50.0 ± 8.0 fL	50.0 ± 8.0 fL	48.5 ± 8.0 fL	48.5 ± 8.0 fL	50.0 ± 8.0 fL	50.0 ± 8.0 fL
	PLT	50 ± 20 × 10 ³ /μL	50 ± 20 × 10 ⁹ /L	244 ± 40 × 10 ³ /μL	244 ± 40 × 10 ⁹ /L	485 ± 60 × 10 ³ /μL	485 ± 60 × 10 ⁹ /L
	MPV	12.0 ± 3.0 fL	12.0 ± 3.0 fL	12.2 ± 3.0 fL	12.2 ± 3.0 fL	12.2 ± 3.0 fL	12.2 ± 3.0 fL

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

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