

BC-5D




HEMATOLOGY CONTROLS

CONTROL

Revised 2025-04-16

 **BC2505B** **2025-07-10**

ASSAY VALUES AND EXPECTED RANGES

		Low  BC2505BL		Normal  BC2505BN		High  BC2505BH	
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	3.10 ± 0.50 × 10 ³ /μL	3.10 ± 0.50 × 10 ⁹ /L	7.60 ± 1.00 × 10 ³ /μL	7.60 ± 1.00 × 10 ⁹ /L	16.90 ± 2.50 × 10 ³ /μL	16.90 ± 2.50 × 10 ⁹ /L
QC Mode	Neu#	1.63 ± 0.28 × 10 ³ /μL	1.63 ± 0.28 × 10 ⁹ /L	4.41 ± 0.69 × 10 ³ /μL	4.41 ± 0.69 × 10 ⁹ /μL	11.15 ± 1.52 × 10 ³ /μL	11.15 ± 1.52 × 10 ⁹ /μL
	Lym#	1.21 ± 0.28 × 10 ³ /μL	1.21 ± 0.28 × 10 ⁹ /L	2.20 ± 0.69 × 10 ³ /μL	2.20 ± 0.69 × 10 ⁹ /μL	3.21 ± 1.36 × 10 ³ /μL	3.21 ± 1.36 × 10 ⁹ /μL
	Mon#	0.09 ± 0.09 × 10 ³ /μL	0.09 ± 0.09 × 10 ⁹ /L	0.42 ± 0.31 × 10 ³ /μL	0.42 ± 0.31 × 10 ⁹ /μL	0.93 ± 0.68 × 10 ³ /μL	0.93 ± 0.68 × 10 ⁹ /μL
	Eos#	0.17 ± 0.13 × 10 ³ /μL	0.17 ± 0.13 × 10 ⁹ /L	0.57 ± 0.46 × 10 ³ /μL	0.57 ± 0.46 × 10 ⁹ /μL	1.61 ± 1.36 × 10 ³ /μL	1.61 ± 1.36 × 10 ⁹ /μL
	Bas#	0.76 ± 0.31 × 10 ³ /μL	0.76 ± 0.31 × 10 ⁹ /L	2.09 ± 0.76 × 10 ³ /μL	2.09 ± 0.76 × 10 ⁹ /μL	5.24 ± 1.69 × 10 ³ /μL	5.24 ± 1.69 × 10 ⁹ /μL
	Neu%	52.5 ± 9.0 %	52.5 ± 9.0 %	58.0 ± 9.0 %	58.0 ± 9.0 %	66.0 ± 9.0 %	66.0 ± 9.0 %
	Lym%	39.0 ± 9.0 %	39.0 ± 9.0 %	29.0 ± 9.0 %	29.0 ± 9.0 %	19.0 ± 8.0 %	19.0 ± 8.0 %
	Mon%	3.0 ± 3.0 %	3.0 ± 3.0 %	5.5 ± 4.0 %	5.5 ± 4.0 %	5.5 ± 4.0 %	5.5 ± 4.0 %
	Eos%	5.5 ± 4.0 %	5.5 ± 4.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %	9.5 ± 8.0 %	9.5 ± 8.0 %
	Bas%	24.5 ± 10.0 %	24.5 ± 10.0 %	27.5 ± 10.0 %	27.5 ± 10.0 %	31.0 ± 10.0 %	31.0 ± 10.0 %
	RBC	2.27 ± 0.18 × 10 ⁶ /μL	2.27 ± 0.18 × 10 ¹² /L	4.02 ± 0.24 × 10 ⁶ /μL	4.02 ± 0.24 × 10 ¹² /L	4.94 ± 0.30 × 10 ⁶ /μL	4.94 ± 0.30 × 10 ¹² /L
	HGB	6.0 ± 0.4 g/dL	60 ± 4 g/L	11.7 ± 0.6 g/dL	117 ± 6 g/L	15.8 ± 0.8 g/dL	158 ± 8 g/L
	HCT	19.3 ± 1.5 %	19.3 ± 1.5 %	37.2 ± 2.0 %	37.2 ± 2.0 %	50.9 ± 2.4 %	50.9 ± 2.4 %
	MCV	85.0 ± 5.0 fL	85.0 ± 5.0 fL	92.5 ± 5.0 fL	92.5 ± 5.0 fL	103.0 ± 5.0 fL	103.0 ± 5.0 fL
	MCH	26.4 ± 2.5 pg	26.4 ± 2.5 pg	29.1 ± 2.5 pg	29.1 ± 2.5 pg	32.0 ± 2.5 pg	32.0 ± 2.5 pg
	MCHC	31.1 ± 3.0 g/dL	311 ± 30 g/L	31.5 ± 3.0 g/dL	315 ± 30 g/L	31.1 ± 3.0 g/dL	311 ± 30 g/L
	RDW-CV	17.0 ± 3.0 %	17.0 ± 3.0 %	14.5 ± 3.0 %	14.5 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %
	RDW-SD	53.5 ± 8.0 fL	53.5 ± 8.0 fL	50.0 ± 8.0 fL	50.0 ± 8.0 fL	52.0 ± 8.0 fL	52.0 ± 8.0 fL
	PLT	54 ± 20 × 10 ³ /μL	54 ± 20 × 10 ⁹ /L	246 ± 40 × 10 ³ /μL	246 ± 40 × 10 ⁹ /L	496 ± 60 × 10 ³ /μL	496 ± 60 × 10 ⁹ /L
	MPV	10.3 ± 3.0 fL	10.3 ± 3.0 fL	13.5 ± 3.0 fL	13.5 ± 3.0 fL	12.6 ± 3.0 fL	12.6 ± 3.0 fL

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

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