

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2009B****2020-11-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2009BL		Normal LOT BC2009BN		High LOT BC2009BH	
	The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-5390 WBC	3.30 ± 0.50 × 10 ⁹ /μL	3.30 ± 0.50 × 10 ⁹ /L	8.00 ± 1.00 × 10 ³ /μL	8.00 ± 1.00 × 10 ⁹ /L	17.40 ± 2.50 × 10 ³ /μL	17.40 ± 2.50 × 10 ⁹ /L
QC Mode Neu#	1.65 ± 0.30 × 10 ³ /μL	1.65 ± 0.30 × 10 ⁹ /L	4.56 ± 0.72 × 10 ³ /μL	4.56 ± 0.72 × 10 ⁹ /μL	11.31 ± 1.57 × 10 ³ /μL	11.31 ± 1.57 × 10 ⁹ /μL
Lym#	1.20 ± 0.30 × 10 ³ /μL	1.20 ± 0.30 × 10 ⁹ /L	2.20 ± 0.64 × 10 ³ /μL	2.20 ± 0.64 × 10 ⁹ /μL	2.96 ± 1.22 × 10 ³ /μL	2.96 ± 1.22 × 10 ⁹ /μL
Mon#	0.23 ± 0.20 × 10 ³ /μL	0.23 ± 0.20 × 10 ⁹ /L	0.56 ± 0.48 × 10 ³ /μL	0.56 ± 0.48 × 10 ⁹ /μL	1.31 ± 1.05 × 10 ³ /μL	1.31 ± 1.05 × 10 ⁹ /μL
Eos#	0.21 ± 0.17 × 10 ³ /μL	0.21 ± 0.17 × 10 ⁹ /L	0.68 ± 0.56 × 10 ³ /μL	0.68 ± 0.56 × 10 ⁹ /μL	1.83 ± 1.40 × 10 ³ /μL	1.83 ± 1.40 × 10 ⁹ /μL
Bas#	0.85 ± 0.34 × 10 ³ /μL	0.85 ± 0.34 × 10 ⁹ /L	2.26 ± 0.80 × 10 ³ /μL	2.26 ± 0.80 × 10 ⁹ /μL	5.38 ± 1.75 × 10 ³ /μL	5.38 ± 1.75 × 10 ⁹ /μL
Neu%	50.0 ± 9.0 %	50.0 ± 9.0 %	57.0 ± 9.0 %	57.0 ± 9.0 %	65.0 ± 9.0 %	65.0 ± 9.0 %
Lym%	36.5 ± 9.0 %	36.5 ± 9.0 %	27.5 ± 8.0 %	27.5 ± 8.0 %	17.0 ± 7.0 %	17.0 ± 7.0 %
Mon%	7.0 ± 6.0 %	7.0 ± 6.0 %	7.0 ± 6.0 %	7.0 ± 6.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %
Eos%	6.5 ± 5.0 %	6.5 ± 5.0 %	8.5 ± 7.0 %	8.5 ± 7.0 %	10.5 ± 8.0 %	10.5 ± 8.0 %
Bas%	25.7 ± 10.0 %	25.7 ± 10.0 %	28.3 ± 10.0 %	28.3 ± 10.0 %	30.9 ± 10.0 %	30.9 ± 10.0 %
RBC	2.17 ± 0.18 × 10 ⁶ /μL	2.17 ± 0.18 × 10 ¹² /L	4.21 ± 0.24 × 10 ⁶ /μL	4.21 ± 0.24 × 10 ¹² /L	4.92 ± 0.30 × 10 ⁶ /μL	4.92 ± 0.30 × 10 ¹² /L
HGB	5.4 ± 0.4 g/dL	54 ± 4 g/L	12.5 ± 0.6 g/dL	125 ± 6 g/L	15.9 ± 0.8 g/dL	159 ± 8 g/L
HCT	17.3 ± 1.5 %	17.3 ± 1.5 %	39.4 ± 2.0 %	39.4 ± 2.0 %	50.7 ± 2.4 %	50.7 ± 2.4 %
MCV	79.5 ± 5.0 fL	79.5 ± 5.0 fL	93.5 ± 5.0 fL	93.5 ± 5.0 fL	103.0 ± 5.0 fL	103.0 ± 5.0 fL
MCH	24.9 ± 2.5 pg	24.9 ± 2.5 pg	29.7 ± 2.5 pg	29.7 ± 2.5 pg	32.3 ± 2.5 pg	32.3 ± 2.5 pg
MCHC	31.3 ± 3.0 g/dL	313 ± 30 g/L	31.8 ± 3.0 g/dL	318 ± 30 g/L	31.4 ± 3.0 g/dL	314 ± 30 g/L
RDW-CV	15.5 ± 3.0 %	15.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %
RDW-SD	48.5 ± 8.0 fL	48.5 ± 8.0 fL	50.0 ± 8.0 fL	50.0 ± 8.0 fL	51.0 ± 8.0 fL	51.0 ± 8.0 fL
PLT	51 ± 20 × 10 ³ /μL	51 ± 20 × 10 ⁹ /L	240 ± 40 × 10 ³ /μL	240 ± 40 × 10 ⁹ /L	494 ± 60 × 10 ³ /μL	494 ± 60 × 10 ⁹ /L
MPV	11.3 ± 3.0 fL	11.3 ± 3.0 fL	11.8 ± 3.0 fL	11.8 ± 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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