

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2311B****2024-01-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2311BL		Normal LOT BC2311BN		High LOT BC2311BH	
	The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-5390 WBC	3.25 ± 0.50 × 10 ³ /μL	3.25 ± 0.50 × 10 ⁹ /L	7.70 ± 1.00 × 10 ³ /μL	7.70 ± 1.00 × 10 ⁹ /L	17.50 ± 2.50 × 10 ³ /μL	17.50 ± 2.50 × 10 ⁹ /L
QC Mode Neu#	1.64 ± 0.30 × 10 ³ /μL	1.64 ± 0.30 × 10 ⁹ /L	4.43 ± 0.70 × 10 ³ /μL	4.43 ± 0.70 × 10 ⁹ /μL	11.38 ± 1.58 × 10 ³ /μL	11.38 ± 1.58 × 10 ⁹ /μL
Lym#	1.17 ± 0.30 × 10 ³ /μL	1.17 ± 0.30 × 10 ⁹ /L	2.16 ± 0.70 × 10 ³ /μL	2.16 ± 0.70 × 10 ⁹ /μL	3.24 ± 1.41 × 10 ³ /μL	3.24 ± 1.41 × 10 ⁹ /μL
Mon#	0.26 ± 0.20 × 10 ³ /μL	0.26 ± 0.20 × 10 ⁹ /L	0.46 ± 0.39 × 10 ³ /μL	0.46 ± 0.39 × 10 ⁹ /μL	1.05 ± 0.89 × 10 ³ /μL	1.05 ± 0.89 × 10 ⁹ /μL
Eos#	0.18 ± 0.14 × 10 ³ /μL	0.18 ± 0.14 × 10 ⁹ /L	0.65 ± 0.46 × 10 ³ /μL	0.65 ± 0.46 × 10 ⁹ /μL	1.84 ± 1.41 × 10 ³ /μL	1.84 ± 1.41 × 10 ⁹ /μL
Bas#	0.86 ± 0.33 × 10 ³ /μL	0.86 ± 0.33 × 10 ⁹ /L	2.12 ± 0.78 × 10 ³ /μL	2.12 ± 0.78 × 10 ⁹ /μL	5.34 ± 1.76 × 10 ³ /μL	5.34 ± 1.76 × 10 ⁹ /μL
Neu%	50.5 ± 9.0 %	50.5 ± 9.0 %	57.5 ± 9.0 %	57.5 ± 9.0 %	65.0 ± 9.0 %	65.0 ± 9.0 %
Lym%	36.0 ± 9.0 %	36.0 ± 9.0 %	28.0 ± 9.0 %	28.0 ± 9.0 %	18.5 ± 8.0 %	18.5 ± 8.0 %
Mon%	8.0 ± 6.0 %	8.0 ± 6.0 %	6.0 ± 5.0 %	6.0 ± 5.0 %	6.0 ± 5.0 %	6.0 ± 5.0 %
Eos%	5.5 ± 4.0 %	5.5 ± 4.0 %	8.5 ± 6.0 %	8.5 ± 6.0 %	10.5 ± 8.0 %	10.5 ± 8.0 %
Bas%	26.5 ± 10.0 %	26.5 ± 10.0 %	27.5 ± 10.0 %	27.5 ± 10.0 %	30.5 ± 10.0 %	30.5 ± 10.0 %
RBC	2.01 ± 0.18 × 10 ⁶ /μL	2.01 ± 0.18 × 10 ¹² /L	4.11 ± 0.24 × 10 ⁶ /μL	4.11 ± 0.24 × 10 ¹² /L	4.91 ± 0.30 × 10 ⁶ /μL	4.91 ± 0.30 × 10 ¹² /L
HGB	5.2 ± 0.4 g/dL	52 ± 4 g/L	12.1 ± 0.6 g/dL	121 ± 6 g/L	15.5 ± 0.8 g/dL	155 ± 8 g/L
HCT	16.8 ± 1.5 %	16.8 ± 1.5 %	38.2 ± 2.0 %	38.2 ± 2.0 %	49.8 ± 2.4 %	49.8 ± 2.4 %
MCV	83.5 ± 5.0 fL	83.5 ± 5.0 fL	93.0 ± 5.0 fL	93.0 ± 5.0 fL	101.5 ± 5.0 fL	101.5 ± 5.0 fL
MCH	25.9 ± 2.5 pg	25.9 ± 2.5 pg	29.4 ± 2.5 pg	29.4 ± 2.5 pg	31.6 ± 2.5 pg	31.6 ± 2.5 pg
MCHC	31.0 ± 3.0 g/dL	310 ± 30 g/L	31.7 ± 3.0 g/dL	317 ± 30 g/L	31.1 ± 3.0 g/dL	311 ± 30 g/L
RDW-CV	15.0 ± 3.0 %	15.0 ± 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	49.0 ± 8.0 fL	49.0 ± 8.0 fL	50.5 ± 8.0 fL	50.5 ± 8.0 fL
PLT	59 ± 20 × 10 ³ /μL	59 ± 20 × 10 ⁹ /L	251 ± 40 × 10 ³ /μL	251 ± 40 × 10 ⁹ /L	492 ± 60 × 10 ³ /μL	492 ± 60 × 10 ⁹ /L
MPV	10.8 ± 3.0 fL	10.8 ± 3.0 fL	12.1 ± 3.0 fL	12.1 ± 3.0 fL	11.9 ± 3.0 fL	11.9 ± 3.0 fL

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

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