

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2101B****2021-03-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2101BL		Normal LOT BC2101BN		High LOT BC2101BH	
	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 ³ /μL	3.30 ± 0.50 × 10 ⁹ /L	7.80 ± 1.00 × 10 ³ /μL	7.80 ± 1.00 × 10 ⁹ /L	16.90 ± 2.50 × 10 ³ /μL	16.90 ± 2.50 × 10 ⁹ /L
QC Mode Neu#	1.70 ± 0.30 × 10 ³ /μL	1.70 ± 0.30 × 10 ⁹ /L	4.52 ± 0.71 × 10 ³ /μL	4.52 ± 0.71 × 10 ⁹ /μL	11.07 ± 1.53 × 10 ³ /μL	11.07 ± 1.53 × 10 ⁹ /μL
Lym#	1.17 ± 0.30 × 10 ³ /μL	1.17 ± 0.30 × 10 ⁹ /L	2.07 ± 0.63 × 10 ³ /μL	2.07 ± 0.63 × 10 ⁹ /μL	2.96 ± 1.19 × 10 ³ /μL	2.96 ± 1.19 × 10 ⁹ /μL
Mon#	0.23 ± 0.20 × 10 ³ /μL	0.23 ± 0.20 × 10 ⁹ /L	0.59 ± 0.48 × 10 ³ /μL	0.59 ± 0.48 × 10 ⁹ /μL	1.27 ± 1.02 × 10 ³ /μL	1.27 ± 1.02 × 10 ⁹ /μL
Eos#	0.20 ± 0.17 × 10 ³ /μL	0.20 ± 0.17 × 10 ⁹ /L	0.62 ± 0.47 × 10 ³ /μL	0.62 ± 0.47 × 10 ⁹ /μL	1.61 ± 1.36 × 10 ³ /μL	1.61 ± 1.36 × 10 ⁹ /μL
Bas#	0.87 ± 0.34 × 10 ³ /μL	0.87 ± 0.34 × 10 ⁹ /L	2.17 ± 0.79 × 10 ³ /μL	2.17 ± 0.79 × 10 ⁹ /μL	5.27 ± 1.69 × 10 ³ /μL	5.27 ± 1.69 × 10 ⁹ /μL
Neu%	51.5 ± 9.0 %	51.5 ± 9.0 %	58.0 ± 9.0 %	58.0 ± 9.0 %	65.5 ± 9.0 %	65.5 ± 9.0 %
Lym%	35.5 ± 9.0 %	35.5 ± 9.0 %	26.5 ± 8.0 %	26.5 ± 8.0 %	17.5 ± 7.0 %	17.5 ± 7.0 %
Mon%	7.0 ± 6.0 %	7.0 ± 6.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %
Eos%	6.0 ± 5.0 %	6.0 ± 5.0 %	8.0 ± 6.0 %	8.0 ± 6.0 %	9.5 ± 8.0 %	9.5 ± 8.0 %
Bas%	26.3 ± 10.0 %	26.3 ± 10.0 %	27.8 ± 10.0 %	27.8 ± 10.0 %	31.2 ± 10.0 %	31.2 ± 10.0 %
RBC	1.88 ± 0.18 × 10 ⁶ /μL	1.88 ± 0.18 × 10 ¹² /L	4.18 ± 0.24 × 10 ⁶ /μL	4.18 ± 0.24 × 10 ¹² /L	4.83 ± 0.30 × 10 ⁶ /μL	4.83 ± 0.30 × 10 ¹² /L
HGB	5.1 ± 0.4 g/dL	51 ± 4 g/L	12.3 ± 0.6 g/dL	123 ± 6 g/L	15.6 ± 0.8 g/dL	156 ± 8 g/L
HCT	16.4 ± 1.5 %	16.4 ± 1.5 %	38.9 ± 2.0 %	38.9 ± 2.0 %	49.5 ± 2.4 %	49.5 ± 2.4 %
MCV	87.0 ± 5.0 fL	87.0 ± 5.0 fL	93.0 ± 5.0 fL	93.0 ± 5.0 fL	102.5 ± 5.0 fL	102.5 ± 5.0 fL
MCH	27.1 ± 2.5 pg	27.1 ± 2.5 pg	29.4 ± 2.5 pg	29.4 ± 2.5 pg	32.3 ± 2.5 pg	32.3 ± 2.5 pg
MCHC	31.2 ± 3.0 g/dL	312 ± 30 g/L	31.6 ± 3.0 g/dL	316 ± 30 g/L	31.5 ± 3.0 g/dL	315 ± 30 g/L
RDW-CV	15.0 ± 3.0 %	15.0 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 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	52.5 ± 8.0 fL	52.5 ± 8.0 fL
PLT	52 ± 20 × 10 ³ /μL	52 ± 20 × 10 ⁹ /L	239 ± 40 × 10 ³ /μL	239 ± 40 × 10 ⁹ /L	486 ± 60 × 10 ³ /μL	486 ± 60 × 10 ⁹ /L
MPV	11.1 ± 3.0 fL	11.1 ± 3.0 fL	11.6 ± 3.0 fL	11.6 ± 3.0 fL	11.8 ± 3.0 fL	11.8 ± 3.0 fL

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

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