

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2109B****2021-11-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2109BL		Normal LOT BC2109BN		High LOT BC2109BH	
	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	7.55 ± 1.00 × 10 ³ /μL	7.55 ± 1.00 × 10 ⁹ /L	17.10 ± 2.50 × 10 ³ /μL	17.10 ± 2.50 × 10 ⁹ /L
QC Mode Neu#	1.75 ± 0.30 × 10 ³ /μL	1.75 ± 0.30 × 10 ⁹ /L	4.27 ± 0.68 × 10 ³ /μL	4.27 ± 0.68 × 10 ⁹ /μL	10.94 ± 1.54 × 10 ³ /μL	10.94 ± 1.54 × 10 ⁹ /μL
Lym#	1.16 ± 0.30 × 10 ³ /μL	1.16 ± 0.30 × 10 ⁹ /L	2.08 ± 0.69 × 10 ³ /μL	2.08 ± 0.69 × 10 ⁹ /μL	2.99 ± 1.20 × 10 ³ /μL	2.99 ± 1.20 × 10 ⁹ /μL
Mon#	0.23 ± 0.20 × 10 ³ /μL	0.23 ± 0.20 × 10 ⁹ /L	0.57 ± 0.46 × 10 ³ /μL	0.57 ± 0.46 × 10 ⁹ /μL	1.20 ± 1.03 × 10 ³ /μL	1.20 ± 1.03 × 10 ⁹ /μL
Eos#	0.17 ± 0.14 × 10 ³ /μL	0.17 ± 0.14 × 10 ⁹ /L	0.64 ± 0.53 × 10 ³ /μL	0.64 ± 0.53 × 10 ⁹ /μL	1.97 ± 1.55 × 10 ³ /μL	1.97 ± 1.55 × 10 ⁹ /μL
Bas#	0.79 ± 0.33 × 10 ³ /μL	0.79 ± 0.33 × 10 ⁹ /L	2.06 ± 0.76 × 10 ³ /μL	2.06 ± 0.76 × 10 ⁹ /μL	5.30 ± 1.71 × 10 ³ /μL	5.30 ± 1.71 × 10 ⁹ /μL
Neu%	53.0 ± 9.0 %	53.0 ± 9.0 %	56.5 ± 9.0 %	56.5 ± 9.0 %	64.0 ± 9.0 %	64.0 ± 9.0 %
Lym%	35.0 ± 9.0 %	35.0 ± 9.0 %	27.5 ± 9.0 %	27.5 ± 9.0 %	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 %	7.0 ± 6.0 %	7.0 ± 6.0 %
Eos%	5.0 ± 4.0 %	5.0 ± 4.0 %	8.5 ± 7.0 %	8.5 ± 7.0 %	11.5 ± 9.0 %	11.5 ± 9.0 %
Bas%	24.0 ± 10.0 %	24.0 ± 10.0 %	27.3 ± 10.0 %	27.3 ± 10.0 %	31.0 ± 10.0 %	31.0 ± 10.0 %
RBC	2.03 ± 0.18 × 10 ⁶ /μL	2.03 ± 0.18 × 10 ¹² /L	4.15 ± 0.24 × 10 ⁶ /μL	4.15 ± 0.24 × 10 ¹² /L	5.04 ± 0.30 × 10 ⁶ /μL	5.04 ± 0.30 × 10 ¹² /L
HGB	5.2 ± 0.4 g/dL	52 ± 4 g/L	12.3 ± 0.6 g/dL	123 ± 6 g/L	15.8 ± 0.8 g/dL	158 ± 8 g/L
HCT	16.5 ± 1.5 %	16.5 ± 1.5 %	38.8 ± 2.0 %	38.8 ± 2.0 %	50.7 ± 2.4 %	50.7 ± 2.4 %
MCV	81.5 ± 5.0 fL	81.5 ± 5.0 fL	93.5 ± 5.0 fL	93.5 ± 5.0 fL	100.5 ± 5.0 fL	100.5 ± 5.0 fL
MCH	25.6 ± 2.5 pg	25.6 ± 2.5 pg	29.6 ± 2.5 pg	29.6 ± 2.5 pg	31.3 ± 2.5 pg	31.3 ± 2.5 pg
MCHC	31.4 ± 3.0 g/dL	314 ± 30 g/L	31.7 ± 3.0 g/dL	317 ± 30 g/L	31.2 ± 3.0 g/dL	312 ± 30 g/L
RDW-CV	15.5 ± 3.0 %	15.5 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %
RDW-SD	49.0 ± 8.0 fL	49.0 ± 8.0 fL	50.0 ± 8.0 fL	50.0 ± 8.0 fL	50.5 ± 8.0 fL	50.5 ± 8.0 fL
PLT	49 ± 20 × 10 ³ /μL	49 ± 20 × 10 ⁹ /L	252 ± 40 × 10 ³ /μL	252 ± 40 × 10 ⁹ /L	493 ± 60 × 10 ³ /μL	493 ± 60 × 10 ⁹ /L
MPV	12.4 ± 3.0 fL	12.4 ± 3.0 fL	13.4 ± 3.0 fL	13.4 ± 3.0 fL	12.8 ± 3.0 fL	12.8 ± 3.0 fL

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

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