

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2107B****2021-09-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2107BL		Normal LOT BC2107BN		High LOT BC2107BH	
	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 × 10³/μL	3.25 ± 0.50 × 10⁹/L	7.70 ± 1.00 × 10³/μL	7.70 ± 1.00 × 10⁹/L	16.85 ± 2.50 × 10³/μL	16.85 ± 2.50 × 10⁹/L
QC Mode Neu#	1.67 ± 0.30 × 10³/μL	1.67 ± 0.30 × 10⁹/L	4.24 ± 0.70 × 10³/μL	4.24 ± 0.70 × 10⁹/μL	10.62 ± 1.52 × 10³/μL	10.62 ± 1.52 × 10⁹/μL
Lym#	1.17 ± 0.30 × 10³/μL	1.17 ± 0.30 × 10⁹/L	2.27 ± 0.70 × 10³/μL	2.27 ± 0.70 × 10⁹/μL	3.12 ± 1.19 × 10³/μL	3.12 ± 1.19 × 10⁹/μL
Mon#	0.23 ± 0.20 × 10³/μL	0.23 ± 0.20 × 10⁹/L	0.46 ± 0.39 × 10³/μL	0.46 ± 0.39 × 10⁹/μL	1.26 ± 1.01 × 10³/μL	1.26 ± 1.01 × 10⁹/μL
Eos#	0.18 ± 0.15 × 10³/μL	0.18 ± 0.15 × 10⁹/L	0.73 ± 0.54 × 10³/μL	0.73 ± 0.54 × 10⁹/μL	1.85 ± 1.52 × 10³/μL	1.85 ± 1.52 × 10⁹/μL
Bas#	0.78 ± 0.33 × 10³/μL	0.78 ± 0.33 × 10⁹/L	2.08 ± 0.77 × 10³/μL	2.08 ± 0.77 × 10⁹/μL	5.12 ± 1.69 × 10³/μL	5.12 ± 1.69 × 10⁹/μL
Neu%	51.5 ± 9.0 %	51.5 ± 9.0 %	55.0 ± 9.0 %	55.0 ± 9.0 %	63.0 ± 9.0 %	63.0 ± 9.0 %
Lym%	36.0 ± 9.0 %	36.0 ± 9.0 %	29.5 ± 9.0 %	29.5 ± 9.0 %	18.5 ± 7.0 %	18.5 ± 7.0 %
Mon%	7.0 ± 6.0 %	7.0 ± 6.0 %	6.0 ± 5.0 %	6.0 ± 5.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %
Eos%	5.5 ± 4.5 %	5.5 ± 4.5 %	9.5 ± 7.0 %	9.5 ± 7.0 %	11.0 ± 9.0 %	11.0 ± 9.0 %
Bas%	24.0 ± 10.0 %	24.0 ± 10.0 %	27.0 ± 10.0 %	27.0 ± 10.0 %	30.4 ± 10.0 %	30.4 ± 10.0 %
RBC	2.09 ± 0.18 × 10⁶/μL	2.09 ± 0.18 × 10¹²/L	4.16 ± 0.24 × 10⁶/μL	4.16 ± 0.24 × 10¹²/L	4.98 ± 0.30 × 10⁶/μL	4.98 ± 0.30 × 10¹²/L
HGB	5.3 ± 0.4 g/dL	53 ± 4 g/L	12.6 ± 0.6 g/dL	126 ± 6 g/L	15.9 ± 0.8 g/dL	159 ± 8 g/L
HCT	16.8 ± 1.5 %	16.8 ± 1.5 %	39.5 ± 2.0 %	39.5 ± 2.0 %	50.8 ± 2.4 %	50.8 ± 2.4 %
MCV	80.5 ± 5.0 fL	80.5 ± 5.0 fL	95.0 ± 5.0 fL	95.0 ± 5.0 fL	102.0 ± 5.0 fL	102.0 ± 5.0 fL
MCH	25.4 ± 2.5 pg	25.4 ± 2.5 pg	30.3 ± 2.5 pg	30.3 ± 2.5 pg	31.9 ± 2.5 pg	31.9 ± 2.5 pg
MCHC	31.5 ± 3.0 g/dL	315 ± 30 g/L	31.9 ± 3.0 g/dL	319 ± 30 g/L	31.3 ± 3.0 g/dL	313 ± 30 g/L
RDW-CV	15.5 ± 3.0 %	15.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %
RDW-SD	46.5 ± 8.0 fL	46.5 ± 8.0 fL	48.5 ± 8.0 fL	48.5 ± 8.0 fL	52.0 ± 8.0 fL	52.0 ± 8.0 fL
PLT	48 ± 20 × 10³/μL	48 ± 20 × 10⁹/L	241 ± 40 × 10³/μL	241 ± 40 × 10⁹/L	498 ± 60 × 10³/μL	498 ± 60 × 10⁹/L
MPV	10.3 ± 3.0 fL	10.3 ± 3.0 fL	10.6 ± 3.0 fL	10.6 ± 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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