

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2401B** **2024-03-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2401BL		Normal LOT BC2401BN		High LOT BC2401BH	
	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	8.00 ± 1.00 × 10 ³ /μL	8.00 ± 1.00 × 10 ⁹ /L	17.30 ± 2.50 × 10 ³ /μL	17.30 ± 2.50 × 10 ⁹ /L
QC Mode Neu#	1.67 ± 0.30 × 10 ³ /μL	1.67 ± 0.30 × 10 ⁹ /L	4.60 ± 0.72 × 10 ³ /μL	4.60 ± 0.72 × 10 ⁹ /μL	11.50 ± 1.56 × 10 ³ /μL	11.50 ± 1.56 × 10 ⁹ /μL
Lym#	1.22 ± 0.30 × 10 ³ /μL	1.22 ± 0.30 × 10 ⁹ /L	2.28 ± 0.72 × 10 ³ /μL	2.28 ± 0.72 × 10 ⁹ /μL	3.11 ± 1.39 × 10 ³ /μL	3.11 ± 1.39 × 10 ⁹ /μL
Mon#	0.18 ± 0.13 × 10 ³ /μL	0.18 ± 0.13 × 10 ⁹ /L	0.52 ± 0.40 × 10 ³ /μL	0.52 ± 0.40 × 10 ⁹ /μL	1.04 ± 0.87 × 10 ³ /μL	1.04 ± 0.87 × 10 ⁹ /μL
Eos#	0.18 ± 0.13 × 10 ³ /μL	0.18 ± 0.13 × 10 ⁹ /L	0.60 ± 0.48 × 10 ³ /μL	0.60 ± 0.48 × 10 ⁹ /μL	1.64 ± 1.39 × 10 ³ /μL	1.64 ± 1.39 × 10 ⁹ /μL
Bas#	0.86 ± 0.33 × 10 ³ /μL	0.86 ± 0.33 × 10 ⁹ /L	2.20 ± 0.80 × 10 ³ /μL	2.20 ± 0.80 × 10 ⁹ /μL	5.28 ± 1.74 × 10 ³ /μL	5.28 ± 1.74 × 10 ⁹ /μL
Neu%	51.5 ± 9.0 %	51.5 ± 9.0 %	57.5 ± 9.0 %	57.5 ± 9.0 %	66.5 ± 9.0 %	66.5 ± 9.0 %
Lym%	37.5 ± 9.0 %	37.5 ± 9.0 %	28.5 ± 9.0 %	28.5 ± 9.0 %	18.0 ± 8.0 %	18.0 ± 8.0 %
Mon%	5.5 ± 4.0 %	5.5 ± 4.0 %	6.5 ± 5.0 %	6.5 ± 5.0 %	6.0 ± 5.0 %	6.0 ± 5.0 %
Eos%	5.5 ± 4.0 %	5.5 ± 4.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %	9.5 ± 8.0 %	9.5 ± 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	2.10 ± 0.18 × 10 ⁶ /μL	2.10 ± 0.18 × 10 ¹² /L	4.04 ± 0.24 × 10 ⁶ /μL	4.04 ± 0.24 × 10 ¹² /L	4.77 ± 0.30 × 10 ⁶ /μL	4.77 ± 0.30 × 10 ¹² /L
HGB	5.5 ± 0.4 g/dL	55 ± 4 g/L	11.8 ± 0.6 g/dL	118 ± 6 g/L	15.2 ± 0.8 g/dL	152 ± 8 g/L
HCT	17.5 ± 1.5 %	17.5 ± 1.5 %	37.4 ± 2.0 %	37.4 ± 2.0 %	48.7 ± 2.4 %	48.7 ± 2.4 %
MCV	83.5 ± 5.0 fL	83.5 ± 5.0 fL	92.5 ± 5.0 fL	92.5 ± 5.0 fL	102.0 ± 5.0 fL	102.0 ± 5.0 fL
MCH	26.2 ± 2.5 pg	26.2 ± 2.5 pg	29.2 ± 2.5 pg	29.2 ± 2.5 pg	31.9 ± 2.5 pg	31.9 ± 2.5 pg
MCHC	31.4 ± 3.0 g/dL	314 ± 30 g/L	31.6 ± 3.0 g/dL	316 ± 30 g/L	31.2 ± 3.0 g/dL	312 ± 30 g/L
RDW-CV	16.0 ± 3.0 %	16.0 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %
RDW-SD	50.5 ± 8.0 fL	50.5 ± 8.0 fL	50.0 ± 8.0 fL	50.0 ± 8.0 fL	52.5 ± 8.0 fL	52.5 ± 8.0 fL
PLT	56 ± 20 × 10 ³ /μL	56 ± 20 × 10 ⁹ /L	271 ± 40 × 10 ³ /μL	271 ± 40 × 10 ⁹ /L	494 ± 60 × 10 ³ /μL	494 ± 60 × 10 ⁹ /L
MPV	14.4 ± 3.0 fL	14.4 ± 3.0 fL	12.1 ± 3.0 fL	12.1 ± 3.0 fL	13.2 ± 3.0 fL	13.2 ± 3.0 fL

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

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