

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2405B****2024-07-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2405BL		Normal LOT BC2405BN		High LOT BC2405BH	
	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	7.75 ± 1.00 × 10 ³ /μL	7.75 ± 1.00 × 10 ⁹ /L	17.15 ± 2.50 × 10 ³ /μL	17.15 ± 2.50 × 10 ⁹ /L
QC Mode Neu#	1.66 ± 0.30 × 10 ³ /μL	1.66 ± 0.30 × 10 ⁹ /L	4.42 ± 0.70 × 10 ³ /μL	4.42 ± 0.70 × 10 ⁹ /μL	11.23 ± 1.55 × 10 ³ /μL	11.23 ± 1.55 × 10 ⁹ /μL
Lym#	1.24 ± 0.30 × 10 ³ /μL	1.24 ± 0.30 × 10 ⁹ /L	2.17 ± 0.70 × 10 ³ /μL	2.17 ± 0.70 × 10 ⁹ /μL	3.34 ± 1.37 × 10 ³ /μL	3.34 ± 1.37 × 10 ⁹ /μL
Mon#	0.20 ± 0.17 × 10 ³ /μL	0.20 ± 0.17 × 10 ⁹ /L	0.50 ± 0.39 × 10 ³ /μL	0.50 ± 0.39 × 10 ⁹ /μL	0.86 ± 0.69 × 10 ³ /μL	0.86 ± 0.69 × 10 ⁹ /μL
Eos#	0.16 ± 0.13 × 10 ³ /μL	0.16 ± 0.13 × 10 ⁹ /L	0.66 ± 0.47 × 10 ³ /μL	0.66 ± 0.47 × 10 ⁹ /μL	1.72 ± 1.38 × 10 ³ /μL	1.72 ± 1.38 × 10 ⁹ /μL
Bas#	0.80 ± 0.33 × 10 ³ /μL	0.80 ± 0.33 × 10 ⁹ /L	2.13 ± 0.78 × 10 ³ /μL	2.13 ± 0.78 × 10 ⁹ /μL	5.23 ± 1.72 × 10 ³ /μL	5.23 ± 1.72 × 10 ⁹ /μL
Neu%	51.0 ± 9.0 %	51.0 ± 9.0 %	57.0 ± 9.0 %	57.0 ± 9.0 %	65.5 ± 9.0 %	65.5 ± 9.0 %
Lym%	38.0 ± 9.0 %	38.0 ± 9.0 %	28.0 ± 9.0 %	28.0 ± 9.0 %	19.5 ± 8.0 %	19.5 ± 8.0 %
Mon%	6.0 ± 5.0 %	6.0 ± 5.0 %	6.5 ± 5.0 %	6.5 ± 5.0 %	5.0 ± 4.0 %	5.0 ± 4.0 %
Eos%	5.0 ± 4.0 %	5.0 ± 4.0 %	8.5 ± 6.0 %	8.5 ± 6.0 %	10.0 ± 8.0 %	10.0 ± 8.0 %
Bas%	24.5 ± 10.0 %	24.5 ± 10.0 %	27.5 ± 10.0 %	27.5 ± 10.0 %	30.5 ± 10.0 %	30.5 ± 10.0 %
RBC	2.11 ± 0.18 × 10 ⁶ /μL	2.11 ± 0.18 × 10 ¹² /L	3.98 ± 0.24 × 10 ⁶ /μL	3.98 ± 0.24 × 10 ¹² /L	4.92 ± 0.30 × 10 ⁶ /μL	4.92 ± 0.30 × 10 ¹² /L
HGB	5.4 ± 0.4 g/dL	54 ± 4 g/L	12.0 ± 0.6 g/dL	120 ± 6 g/L	15.6 ± 0.8 g/dL	156 ± 8 g/L
HCT	17.3 ± 1.5 %	17.3 ± 1.5 %	38.2 ± 2.0 %	38.2 ± 2.0 %	50.4 ± 2.4 %	50.4 ± 2.4 %
MCV	82.0 ± 5.0 fL	82.0 ± 5.0 fL	96.0 ± 5.0 fL	96.0 ± 5.0 fL	102.5 ± 5.0 fL	102.5 ± 5.0 fL
MCH	25.6 ± 2.5 pg	25.6 ± 2.5 pg	30.2 ± 2.5 pg	30.2 ± 2.5 pg	31.7 ± 2.5 pg	31.7 ± 2.5 pg
MCHC	31.2 ± 3.0 g/dL	312 ± 30 g/L	31.4 ± 3.0 g/dL	314 ± 30 g/L	30.9 ± 3.0 g/dL	309 ± 30 g/L
RDW-CV	15.5 ± 3.0 %	15.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %
RDW-SD	49.5 ± 8.0 fL	49.5 ± 8.0 fL	50.0 ± 8.0 fL	50.0 ± 8.0 fL	52.5 ± 8.0 fL	52.5 ± 8.0 fL
PLT	51 ± 20 × 10 ³ /μL	51 ± 20 × 10 ⁹ /L	252 ± 40 × 10 ³ /μL	252 ± 40 × 10 ⁹ /L	492 ± 60 × 10 ³ /μL	492 ± 60 × 10 ⁹ /L
MPV	11.2 ± 3.0 fL	11.2 ± 3.0 fL	12.2 ± 3.0 fL	12.2 ± 3.0 fL	12.4 ± 3.0 fL	12.4 ± 3.0 fL

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

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