

BC-5D

HEMATOLOGY CONTROLS

CONTROL**LOT BC2403B****2024-05-10**

ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low LOT BC2403BL		Normal LOT BC2403BN		High LOT BC2403BH	
	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	7.80 ± 1.00 × 10 ³ /μL	7.80 ± 1.00 × 10 ⁹ /L	17.10 ± 2.50 × 10 ³ /μL	17.10 ± 2.50 × 10 ⁹ /L
QC Mode Neu#	1.64 ± 0.30 × 10 ³ /μL	1.64 ± 0.30 × 10 ⁹ /L	4.56 ± 0.71 × 10 ³ /μL	4.56 ± 0.71 × 10 ⁹ /μL	11.20 ± 1.54 × 10 ³ /μL	11.20 ± 1.54 × 10 ⁹ /μL
Lym#	1.24 ± 0.30 × 10 ³ /μL	1.24 ± 0.30 × 10 ⁹ /L	2.15 ± 0.71 × 10 ³ /μL	2.15 ± 0.71 × 10 ⁹ /μL	3.33 ± 1.37 × 10 ³ /μL	3.33 ± 1.37 × 10 ⁹ /μL
Mon#	0.20 ± 0.17 × 10 ³ /μL	0.20 ± 0.17 × 10 ⁹ /L	0.51 ± 0.40 × 10 ³ /μL	0.51 ± 0.40 × 10 ⁹ /μL	0.94 ± 0.69 × 10 ³ /μL	0.94 ± 0.69 × 10 ⁹ /μL
Eos#	0.18 ± 0.13 × 10 ³ /μL	0.18 ± 0.13 × 10 ⁹ /L	0.59 ± 0.48 × 10 ³ /μL	0.59 ± 0.48 × 10 ⁹ /μL	1.62 ± 1.37 × 10 ³ /μL	1.62 ± 1.37 × 10 ⁹ /μL
Bas#	0.86 ± 0.33 × 10 ³ /μL	0.86 ± 0.33 × 10 ⁹ /L	2.15 ± 0.79 × 10 ³ /μL	2.15 ± 0.79 × 10 ⁹ /μL	5.22 ± 1.72 × 10 ³ /μL	5.22 ± 1.72 × 10 ⁹ /μL
Neu%	50.5 ± 9.0 %	50.5 ± 9.0 %	58.5 ± 9.0 %	58.5 ± 9.0 %	65.5 ± 9.0 %	65.5 ± 9.0 %
Lym%	38.0 ± 9.0 %	38.0 ± 9.0 %	27.5 ± 9.0 %	27.5 ± 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 %	5.5 ± 4.0 %	5.5 ± 4.0 %
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	2.14 ± 0.18 × 10 ⁶ /μL	2.14 ± 0.18 × 10 ¹² /L	4.04 ± 0.24 × 10 ⁶ /μL	4.04 ± 0.24 × 10 ¹² /L	4.89 ± 0.30 × 10 ⁶ /μL	4.89 ± 0.30 × 10 ¹² /L
HGB	5.5 ± 0.4 g/dL	55 ± 4 g/L	11.9 ± 0.6 g/dL	119 ± 6 g/L	15.5 ± 0.8 g/dL	155 ± 8 g/L
HCT	17.4 ± 1.5 %	17.4 ± 1.5 %	37.4 ± 2.0 %	37.4 ± 2.0 %	49.6 ± 2.4 %	49.6 ± 2.4 %
MCV	81.5 ± 5.0 fL	81.5 ± 5.0 fL	92.5 ± 5.0 fL	92.5 ± 5.0 fL	101.5 ± 5.0 fL	101.5 ± 5.0 fL
MCH	25.7 ± 2.5 pg	25.7 ± 2.5 pg	29.5 ± 2.5 pg	29.5 ± 2.5 pg	31.7 ± 2.5 pg	31.7 ± 2.5 pg
MCHC	31.5 ± 3.0 g/dL	315 ± 30 g/L	31.8 ± 3.0 g/dL	318 ± 30 g/L	31.2 ± 3.0 g/dL	312 ± 30 g/L
RDW-CV	15.0 ± 3.0 %	15.0 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.0 ± 3.0 %	13.0 ± 3.0 %
RDW-SD	47.0 ± 8.0 fL	47.0 ± 8.0 fL	47.5 ± 8.0 fL	47.5 ± 8.0 fL	50.5 ± 8.0 fL	50.5 ± 8.0 fL
PLT	51 ± 20 × 10 ³ /μL	51 ± 20 × 10 ⁹ /L	243 ± 40 × 10 ³ /μL	243 ± 40 × 10 ⁹ /L	494 ± 60 × 10 ³ /μL	494 ± 60 × 10 ⁹ /L
MPV	11.4 ± 3.0 fL	11.4 ± 3.0 fL	12.9 ± 3.0 fL	12.9 ± 3.0 fL	11.7 ± 3.0 fL	11.7 ± 3.0 fL

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

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