

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT BC2103B**2021-05-10**

Instrument Parameter	Low LOT BC2103BL		Normal LOT BC2103BN		High LOT BC2103BH	
	The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-5390 WBC	$3.20 \pm 0.50 \times 10^3/\mu\text{L}$	$3.20 \pm 0.50 \times 10^9/\text{L}$	$8.00 \pm 1.00 \times 10^3/\mu\text{L}$	$8.00 \pm 1.00 \times 10^9/\text{L}$	$17.40 \pm 2.50 \times 10^3/\mu\text{L}$	$17.40 \pm 2.50 \times 10^9/\text{L}$
QC Mode Neu#	$1.71 \pm 0.29 \times 10^3/\mu\text{L}$	$1.71 \pm 0.29 \times 10^9/\text{L}$	$4.48 \pm 0.72 \times 10^3/\mu\text{L}$	$4.48 \pm 0.72 \times 10^9/\mu\text{L}$	$11.14 \pm 1.57 \times 10^3/\mu\text{L}$	$11.14 \pm 1.57 \times 10^9/\mu\text{L}$
Lym#	$1.12 \pm 0.29 \times 10^3/\mu\text{L}$	$1.12 \pm 0.29 \times 10^9/\text{L}$	$2.28 \pm 0.64 \times 10^3/\mu\text{L}$	$2.28 \pm 0.64 \times 10^9/\mu\text{L}$	$3.13 \pm 1.22 \times 10^3/\mu\text{L}$	$3.13 \pm 1.22 \times 10^9/\mu\text{L}$
Mon#	$0.19 \pm 0.16 \times 10^3/\mu\text{L}$	$0.19 \pm 0.16 \times 10^9/\text{L}$	$0.56 \pm 0.48 \times 10^3/\mu\text{L}$	$0.56 \pm 0.48 \times 10^9/\mu\text{L}$	$1.31 \pm 1.05 \times 10^3/\mu\text{L}$	$1.31 \pm 1.05 \times 10^9/\mu\text{L}$
Eos#	$0.18 \pm 0.17 \times 10^3/\mu\text{L}$	$0.18 \pm 0.17 \times 10^9/\text{L}$	$0.68 \pm 0.48 \times 10^3/\mu\text{L}$	$0.68 \pm 0.48 \times 10^9/\mu\text{L}$	$1.83 \pm 1.40 \times 10^3/\mu\text{L}$	$1.83 \pm 1.40 \times 10^9/\mu\text{L}$
Bas#	$0.80 \pm 0.33 \times 10^3/\mu\text{L}$	$0.80 \pm 0.33 \times 10^9/\text{L}$	$2.22 \pm 0.80 \times 10^3/\mu\text{L}$	$2.22 \pm 0.80 \times 10^9/\mu\text{L}$	$5.31 \pm 1.75 \times 10^3/\mu\text{L}$	$5.31 \pm 1.75 \times 10^9/\mu\text{L}$
Neu%	53.5 ± 9.0 %	53.5 ± 9.0 %	56.0 ± 9.0 %	56.0 ± 9.0 %	64.0 ± 9.0 %	64.0 ± 9.0 %
Lym%	35.0 ± 9.0 %	35.0 ± 9.0 %	28.5 ± 8.0 %	28.5 ± 8.0 %	18.0 ± 7.0 %	18.0 ± 7.0 %
Mon%	6.0 ± 5.0 %	6.0 ± 5.0 %	7.0 ± 6.0 %	7.0 ± 6.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %
Eos%	5.5 ± 5.0 %	5.5 ± 5.0 %	8.5 ± 5.0 %	8.5 ± 5.0 %	10.5 ± 8.0 %	10.5 ± 8.0 %
Bas%	24.9 ± 10.0 %	24.9 ± 10.0 %	27.8 ± 10.0 %	27.8 ± 10.0 %	30.5 ± 10.0 %	30.5 ± 10.0 %
RBC	$2.26 \pm 0.18 \times 10^6/\mu\text{L}$	$2.26 \pm 0.18 \times 10^{12}/\text{L}$	$4.15 \pm 0.24 \times 10^6/\mu\text{L}$	$4.15 \pm 0.24 \times 10^{12}/\text{L}$	$4.96 \pm 0.30 \times 10^6/\mu\text{L}$	$4.96 \pm 0.30 \times 10^{12}/\text{L}$
HGB	5.5 ± 0.4 g/dL	55 ± 4 g/L	12.3 ± 0.6 g/dL	123 ± 6 g/L	15.9 ± 0.8 g/dL	159 ± 8 g/L
HCT	17.6 ± 1.5 %	17.6 ± 1.5 %	38.8 ± 2.0 %	38.8 ± 2.0 %	50.6 ± 2.4 %	50.6 ± 2.4 %
MCV	78.0 ± 5.0 fL	78.0 ± 5.0 fL	93.5 ± 5.0 fL	93.5 ± 5.0 fL	102.0 ± 5.0 fL	102.0 ± 5.0 fL
MCH	24.3 ± 2.5 pg	24.3 ± 2.5 pg	29.6 ± 2.5 pg	29.6 ± 2.5 pg	32.1 ± 2.5 pg	32.1 ± 2.5 pg
MCHC	31.2 ± 3.0 g/dL	312 ± 30 g/L	31.7 ± 3.0 g/dL	317 ± 30 g/L	31.4 ± 3.0 g/dL	314 ± 30 g/L
RDW-CV	16.0 ± 3.0 %	16.0 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.0 ± 3.0 %	13.0 ± 3.0 %
RDW-SD	47.5 ± 8.0 fL	47.5 ± 8.0 fL	47.5 ± 8.0 fL	47.5 ± 8.0 fL	50.0 ± 8.0 fL	50.0 ± 8.0 fL
PLT	$46 \pm 20 \times 10^3/\mu\text{L}$	$46 \pm 20 \times 10^9/\text{L}$	$249 \pm 40 \times 10^3/\mu\text{L}$	$249 \pm 40 \times 10^9/\text{L}$	$494 \pm 60 \times 10^3/\mu\text{L}$	$494 \pm 60 \times 10^9/\text{L}$
MPV	12.0 ± 3.0 fL	12 ± 3.0 fL	12.0 ± 3.0 fL	12.0 ± 3.0 fL	12.0 ± 3.0 fL	12.0 ± 3.0 fL

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

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