

**BC-5D****HEMATOLOGY CONTROLS****CONTROL****LOT BC2201B****2022-03-10**

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low BC2201BL		Normal BC2201BN		High BC2201BH	
	The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
<b>BC-5390</b> WBC	$3.30 \pm 0.50 \times 10^9/\mu\text{L}$	$3.30 \pm 0.50 \times 10^9/\text{L}$	$7.90 \pm 1.00 \times 10^3/\mu\text{L}$	$7.90 \pm 1.00 \times 10^9/\text{L}$	$17.25 \pm 2.50 \times 10^3/\mu\text{L}$	$17.25 \pm 2.50 \times 10^9/\text{L}$
<b>QC Mode</b> Neu#	$1.72 \pm 0.30 \times 10^3/\mu\text{L}$	$1.72 \pm 0.30 \times 10^9/\text{L}$	$4.50 \pm 0.72 \times 10^3/\mu\text{L}$	$4.50 \pm 0.72 \times 10^9/\mu\text{L}$	$11.39 \pm 1.56 \times 10^3/\mu\text{L}$	$11.39 \pm 1.56 \times 10^9/\mu\text{L}$
Lym#	$1.19 \pm 0.30 \times 10^3/\mu\text{L}$	$1.19 \pm 0.30 \times 10^9/\text{L}$	$2.33 \pm 0.72 \times 10^3/\mu\text{L}$	$2.33 \pm 0.72 \times 10^9/\mu\text{L}$	$3.02 \pm 1.21 \times 10^3/\mu\text{L}$	$3.02 \pm 1.21 \times 10^9/\mu\text{L}$
Mon#	$0.21 \pm 0.20 \times 10^3/\mu\text{L}$	$0.21 \pm 0.20 \times 10^9/\text{L}$	$0.43 \pm 0.40 \times 10^3/\mu\text{L}$	$0.43 \pm 0.40 \times 10^9/\mu\text{L}$	$1.12 \pm 1.04 \times 10^3/\mu\text{L}$	$1.12 \pm 1.04 \times 10^9/\mu\text{L}$
Eos#	$0.18 \pm 0.17 \times 10^3/\mu\text{L}$	$0.18 \pm 0.17 \times 10^9/\text{L}$	$0.63 \pm 0.48 \times 10^3/\mu\text{L}$	$0.63 \pm 0.48 \times 10^9/\mu\text{L}$	$1.73 \pm 1.39 \times 10^3/\mu\text{L}$	$1.73 \pm 1.39 \times 10^9/\mu\text{L}$
Bas#	$0.87 \pm 0.33 \times 10^3/\mu\text{L}$	$0.87 \pm 0.33 \times 10^9/\text{L}$	$2.16 \pm 0.79 \times 10^3/\mu\text{L}$	$2.16 \pm 0.79 \times 10^9/\mu\text{L}$	$5.38 \pm 1.73 \times 10^3/\mu\text{L}$	$5.38 \pm 1.73 \times 10^9/\mu\text{L}$
Neu%	$52.0 \pm 9.0$ %	$52.0 \pm 9.0$ %	$57.0 \pm 9.0$ %	$57.0 \pm 9.0$ %	$66.0 \pm 9.0$ %	$66.0 \pm 9.0$ %
Lym%	$36.0 \pm 9.0$ %	$36.0 \pm 9.0$ %	$29.5 \pm 9.0$ %	$29.5 \pm 9.0$ %	$17.5 \pm 7.0$ %	$17.5 \pm 7.0$ %
Mon%	$6.5 \pm 6.0$ %	$6.5 \pm 6.0$ %	$5.5 \pm 5.0$ %	$5.5 \pm 5.0$ %	$6.5 \pm 6.0$ %	$6.5 \pm 6.0$ %
Eos%	$5.5 \pm 5.0$ %	$5.5 \pm 5.0$ %	$8.0 \pm 6.0$ %	$8.0 \pm 6.0$ %	$10.0 \pm 8.0$ %	$10.0 \pm 8.0$ %
Bas%	$26.4 \pm 10.0$ %	$26.4 \pm 10.0$ %	$27.4 \pm 10.0$ %	$27.4 \pm 10.0$ %	$31.2 \pm 10.0$ %	$31.2 \pm 10.0$ %
RBC	$2.00 \pm 0.18 \times 10^6/\mu\text{L}$	$2.00 \pm 0.18 \times 10^{12}/\text{L}$	$4.10 \pm 0.24 \times 10^6/\mu\text{L}$	$4.10 \pm 0.24 \times 10^{12}/\text{L}$	$4.97 \pm 0.30 \times 10^6/\mu\text{L}$	$4.97 \pm 0.30 \times 10^{12}/\text{L}$
HGB	$5.3 \pm 0.4$ g/dL	$53 \pm 4$ g/L	$12.1 \pm 0.6$ g/dL	$121 \pm 6$ g/L	$15.7 \pm 0.8$ g/dL	$157 \pm 8$ g/L
HCT	$16.9 \pm 1.5$ %	$16.9 \pm 1.5$ %	$38.1 \pm 2.0$ %	$38.1 \pm 2.0$ %	$50.2 \pm 2.4$ %	$50.2 \pm 2.4$ %
MCV	$84.5 \pm 5.0$ fL	$84.5 \pm 5.0$ fL	$93.0 \pm 5.0$ fL	$93.0 \pm 5.0$ fL	$101.0 \pm 5.0$ fL	$101.0 \pm 5.0$ fL
MCH	$26.5 \pm 2.5$ pg	$26.5 \pm 2.5$ pg	$29.5 \pm 2.5$ pg	$29.5 \pm 2.5$ pg	$31.6 \pm 2.5$ pg	$31.6 \pm 2.5$ pg
MCHC	$31.4 \pm 3.0$ g/dL	$314 \pm 30$ g/L	$31.7 \pm 3.0$ g/dL	$317 \pm 30$ g/L	$31.3 \pm 3.0$ g/dL	$313 \pm 30$ g/L
RDW-CV	$14.0 \pm 3.0$ %	$14.0 \pm 3.0$ %	$13.5 \pm 3.0$ %	$13.5 \pm 3.0$ %	$13.5 \pm 3.0$ %	$13.5 \pm 3.0$ %
RDW-SD	$46.0 \pm 8.0$ fL	$46.0 \pm 8.0$ fL	$48.5 \pm 8.0$ fL	$48.5 \pm 8.0$ fL	$51.0 \pm 8.0$ fL	$51.0 \pm 8.0$ fL
PLT	$48 \pm 20 \times 10^3/\mu\text{L}$	$48 \pm 20 \times 10^9/\text{L}$	$227 \pm 40 \times 10^3/\mu\text{L}$	$227 \pm 40 \times 10^9/\text{L}$	$468 \pm 60 \times 10^3/\mu\text{L}$	$468 \pm 60 \times 10^9/\text{L}$
MPV	$10.0 \pm 3.0$ fL	$10 \pm 3.0$ fL	$11.8 \pm 3.0$ fL	$11.8 \pm 3.0$ fL	$11.3 \pm 3.0$ fL	$11.3 \pm 3.0$ fL

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

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