

BC-5D

HEMATOLOGY CONTROLS

CONTROL

LOT BC2311B



2024-01-10

ASSAY VALUES AND EXPECTED RANGES

		Low LOT BC2311BL		Normal LOT BC2311BN		High LOT BC2311BH	
Instrument Parameter		The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-5390	WBC	$3.25 \pm 0.50 \times 10^3/\mu\text{L}$	$3.25 \pm 0.50 \times 10^9/\text{L}$	$7.70 \pm 1.00 \times 10^3/\mu\text{L}$	$7.70 \pm 1.00 \times 10^9/\text{L}$	$17.50 \pm 2.50 \times 10^3/\mu\text{L}$	$17.50 \pm 2.50 \times 10^9/\text{L}$
QC Mode	Neu#	$1.64 \pm 0.30 \times 10^3/\mu\text{L}$	$1.64 \pm 0.30 \times 10^9/\text{L}$	$4.43 \pm 0.70 \times 10^3/\mu\text{L}$	$4.43 \pm 0.70 \times 10^9/\mu\text{L}$	$11.38 \pm 1.58 \times 10^3/\mu\text{L}$	$11.38 \pm 1.58 \times 10^9/\mu\text{L}$
	Lym#	$1.17 \pm 0.30 \times 10^3/\mu\text{L}$	$1.17 \pm 0.30 \times 10^9/\text{L}$	$2.16 \pm 0.70 \times 10^3/\mu\text{L}$	$2.16 \pm 0.70 \times 10^9/\mu\text{L}$	$3.24 \pm 1.41 \times 10^3/\mu\text{L}$	$3.24 \pm 1.41 \times 10^9/\mu\text{L}$
	Mon#	$0.26 \pm 0.20 \times 10^3/\mu\text{L}$	$0.26 \pm 0.20 \times 10^9/\text{L}$	$0.46 \pm 0.39 \times 10^3/\mu\text{L}$	$0.46 \pm 0.39 \times 10^9/\mu\text{L}$	$1.05 \pm 0.89 \times 10^3/\mu\text{L}$	$1.05 \pm 0.89 \times 10^9/\mu\text{L}$
	Eos#	$0.18 \pm 0.14 \times 10^3/\mu\text{L}$	$0.18 \pm 0.14 \times 10^9/\text{L}$	$0.65 \pm 0.46 \times 10^3/\mu\text{L}$	$0.65 \pm 0.46 \times 10^9/\mu\text{L}$	$1.84 \pm 1.41 \times 10^3/\mu\text{L}$	$1.84 \pm 1.41 \times 10^9/\mu\text{L}$
	Bas#	$0.86 \pm 0.33 \times 10^3/\mu\text{L}$	$0.86 \pm 0.33 \times 10^9/\text{L}$	$2.12 \pm 0.78 \times 10^3/\mu\text{L}$	$2.12 \pm 0.78 \times 10^9/\mu\text{L}$	$5.34 \pm 1.76 \times 10^3/\mu\text{L}$	$5.34 \pm 1.76 \times 10^9/\mu\text{L}$
	Neu%	$50.5 \pm 9.0 \%$	$50.5 \pm 9.0 \%$	$57.5 \pm 9.0 \%$	$57.5 \pm 9.0 \%$	$65.0 \pm 9.0 \%$	$65.0 \pm 9.0 \%$
	Lym%	$36.0 \pm 9.0 \%$	$36.0 \pm 9.0 \%$	$28.0 \pm 9.0 \%$	$28.0 \pm 9.0 \%$	$18.5 \pm 8.0 \%$	$18.5 \pm 8.0 \%$
	Mon%	$8.0 \pm 6.0 \%$	$8.0 \pm 6.0 \%$	$6.0 \pm 5.0 \%$	$6.0 \pm 5.0 \%$	$6.0 \pm 5.0 \%$	$6.0 \pm 5.0 \%$
	Eos%	$5.5 \pm 4.0 \%$	$5.5 \pm 4.0 \%$	$8.5 \pm 6.0 \%$	$8.5 \pm 6.0 \%$	$10.5 \pm 8.0 \%$	$10.5 \pm 8.0 \%$
	Bas%	$26.5 \pm 10.0 \%$	$26.5 \pm 10.0 \%$	$27.5 \pm 10.0 \%$	$27.5 \pm 10.0 \%$	$30.5 \pm 10.0 \%$	$30.5 \pm 10.0 \%$
	RBC	$2.01 \pm 0.18 \times 10^6/\mu\text{L}$	$2.01 \pm 0.18 \times 10^{12}/\text{L}$	$4.11 \pm 0.24 \times 10^6/\mu\text{L}$	$4.11 \pm 0.24 \times 10^{12}/\text{L}$	$4.91 \pm 0.30 \times 10^6/\mu\text{L}$	$4.91 \pm 0.30 \times 10^{12}/\text{L}$
	HGB	$5.2 \pm 0.4 \text{ g/dL}$	$52 \pm 4 \text{ g/L}$	$12.1 \pm 0.6 \text{ g/dL}$	$121 \pm 6 \text{ g/L}$	$15.5 \pm 0.8 \text{ g/dL}$	$155 \pm 8 \text{ g/L}$
	HCT	$16.8 \pm 1.5 \%$	$16.8 \pm 1.5 \%$	$38.2 \pm 2.0 \%$	$38.2 \pm 2.0 \%$	$49.8 \pm 2.4 \%$	$49.8 \pm 2.4 \%$
	MCV	$83.5 \pm 5.0 \text{ fL}$	$83.5 \pm 5.0 \text{ fL}$	$93.0 \pm 5.0 \text{ fL}$	$93.0 \pm 5.0 \text{ fL}$	$101.5 \pm 5.0 \text{ fL}$	$101.5 \pm 5.0 \text{ fL}$
	MCH	$25.9 \pm 2.5 \text{ pg}$	$25.9 \pm 2.5 \text{ pg}$	$29.4 \pm 2.5 \text{ pg}$	$29.4 \pm 2.5 \text{ pg}$	$31.6 \pm 2.5 \text{ pg}$	$31.6 \pm 2.5 \text{ pg}$
	MCHC	$31.0 \pm 3.0 \text{ g/dL}$	$310 \pm 30 \text{ g/L}$	$31.7 \pm 3.0 \text{ g/dL}$	$317 \pm 30 \text{ g/L}$	$31.1 \pm 3.0 \text{ g/dL}$	$311 \pm 30 \text{ g/L}$
	RDW-CV	$15.0 \pm 3.0 \%$	$15.0 \pm 3.0 \%$	$13.5 \pm 3.0 \%$	$13.5 \pm 3.0 \%$	$13.5 \pm 3.0 \%$	$13.5 \pm 3.0 \%$
	RDW-SD	$48.5 \pm 8.0 \text{ fL}$	$48.5 \pm 8.0 \text{ fL}$	$49.0 \pm 8.0 \text{ fL}$	$49.0 \pm 8.0 \text{ fL}$	$50.5 \pm 8.0 \text{ fL}$	$50.5 \pm 8.0 \text{ fL}$
	PLT	$59 \pm 20 \times 10^3/\mu\text{L}$	$59 \pm 20 \times 10^9/\text{L}$	$251 \pm 40 \times 10^3/\mu\text{L}$	$251 \pm 40 \times 10^9/\text{L}$	$492 \pm 60 \times 10^3/\mu\text{L}$	$492 \pm 60 \times 10^9/\text{L}$
	MPV	$10.8 \pm 3.0 \text{ fL}$	$10.8 \pm 3.0 \text{ fL}$	$12.1 \pm 3.0 \text{ fL}$	$12.1 \pm 3.0 \text{ fL}$	$11.9 \pm 3.0 \text{ fL}$	$11.9 \pm 3.0 \text{ fL}$

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

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