

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B0225



2025-05-05

Instrument	Parameter	Low		Normal		High	
		LOT B0225L		LOT B0225N		LOT B0225H	
		The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-3600 CD version 1.8(FDA) or greater	WBC	2.0 ± 0.5 × 10 ⁹ /μL	2.0 ± 0.5 × 10 ⁹ /L	7.8 ± 1.0 × 10 ⁹ /μL	7.8 ± 1.0 × 10 ⁹ /L	21.1 ± 2.5 × 10 ⁹ /μL	21.1 ± 2.5 × 10 ⁹ /L
	RBC	2.35 ± 0.18 × 10 ⁶ /μL	2.35 ± 0.18 × 10 ¹² /L	4.76 ± 0.24 × 10 ⁶ /μL	4.76 ± 0.24 × 10 ¹² /L	5.80 ± 0.30 × 10 ⁶ /μL	5.80 ± 0.30 × 10 ¹² /L
	HGB	6.0 ± 0.4 g/dL	60 ± 4 g/L	14.3 ± 0.6 g/dL	143 ± 6 g/L	19.2 ± 0.8 g/dL	192 ± 8 g/L
	HCT	18.0 ± 1.5 %	18.0 ± 1.5 %	40.9 ± 2.0 %	40.9 ± 2.0 %	53.9 ± 2.4 %	53.9 ± 2.4 %
	MCV	76.5 ± 5.0 fL	76.5 ± 5.0 fL	86.0 ± 5.0 fL	86.0 ± 5.0 fL	93.0 ± 5.0 fL	93.0 ± 5.0 fL
	MCH	25.5 ± 2.5 pg	25.5 ± 2.5 pg	30.0 ± 2.5 pg	30.0 ± 2.5 pg	33.1 ± 2.5 pg	33.1 ± 2.5 pg
	MCHC	33.4 ± 3.0 g/dL	334 ± 30 g/L	34.9 ± 3.0 g/dL	349 ± 30 g/L	35.6 ± 3.0 g/dL	356 ± 30 g/L
	RDW	15.0 ± 3.0 %	15.0 ± 3.0 %	14.5 ± 3.0 %	14.5 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %
	PLT	66 ± 20 × 10 ³ /μL	66 ± 20 × 10 ⁹ /L	248 ± 40 × 10 ³ /μL	248 ± 40 × 10 ⁹ /L	540 ± 60 × 10 ³ /μL	540 ± 60 × 10 ⁹ /L
	MPV	7.2 ± 3.0 fL	7.2 ± 3.0 fL	7.4 ± 3.0 fL	7.4 ± 3.0 fL	7.3 ± 3.0 fL	7.3 ± 3.0 fL
	Lymph	57.0 ± 9.0 %	57.0 ± 9.0 %	28.0 ± 8.0 %	28.0 ± 8.0 %	11.0 ± 8.0 %	11.0 ± 8.0 %
	Mid	10.5 ± 8.0 %	10.5 ± 8.0 %	8.0 ± 6.0 %	8.0 ± 6.0 %	4.0 ± 3.0 %	4.0 ± 3.0 %
	Gran	32.5 ± 9.0 %	32.5 ± 9.0 %	64.0 ± 8.0 %	64.0 ± 8.0 %	85.0 ± 9.0 %	85.0 ± 9.0 %
	Lymph#	1.1 ± 0.2 × 10 ³ /μL	1.1 ± 0.2 × 10 ⁹ /L	2.2 ± 0.7 × 10 ³ /μL	2.2 ± 0.7 × 10 ⁹ /L	2.3 ± 1.7 × 10 ³ /μL	2.3 ± 1.7 × 10 ⁹ /L
	Mid#	0.2 ± 0.2 × 10 ³ /μL	0.2 ± 0.2 × 10 ⁹ /L	0.6 ± 0.5 × 10 ³ /μL	0.6 ± 0.5 × 10 ⁹ /L	0.8 ± 0.6 × 10 ³ /μL	0.8 ± 0.6 × 10 ⁹ /L
	Gran#	0.7 ± 0.2 × 10 ³ /μL	0.7 ± 0.2 × 10 ⁹ /L	5.0 ± 0.7 × 10 ³ /μL	5.0 ± 0.7 × 10 ⁹ /L	17.9 ± 1.9 × 10 ³ /μL	17.9 ± 1.9 × 10 ⁹ /L
BC-3600 CD version lower than 1.8 and/or manufacture date before March of 2015	WBC	2.0 ± 0.5 × 10 ⁹ /μL	2.0 ± 0.5 × 10 ⁹ /L	8.1 ± 1.0 × 10 ⁹ /μL	8.1 ± 1.0 × 10 ⁹ /L	21.6 ± 2.5 × 10 ⁹ /μL	21.6 ± 2.5 × 10 ⁹ /L
	RBC	2.44 ± 0.18 × 10 ⁶ /μL	2.44 ± 0.18 × 10 ¹² /L	4.91 ± 0.24 × 10 ⁶ /μL	4.91 ± 0.24 × 10 ¹² /L	5.87 ± 0.30 × 10 ⁶ /μL	5.87 ± 0.30 × 10 ¹² /L
	HGB	6.2 ± 0.4 g/dL	62 ± 4 g/L	14.2 ± 0.6 g/dL	142 ± 6 g/L	18.9 ± 0.8 g/dL	189 ± 8 g/L
	HCT	18.4 ± 1.5 %	18.4 ± 1.5 %	41.6 ± 2.0 %	41.6 ± 2.0 %	54.2 ± 2.4 %	54.2 ± 2.4 %
	MCV	75.5 ± 5.0 fL	75.5 ± 5.0 fL	84.8 ± 5.0 fL	84.8 ± 5.0 fL	92.4 ± 5.0 fL	92.4 ± 5.0 fL
	MCH	25.4 ± 2.5 pg	25.4 ± 2.5 pg	28.9 ± 2.5 pg	28.9 ± 2.5 pg	32.2 ± 2.5 pg	32.2 ± 2.5 pg
	MCHC	33.7 ± 3.0 g/dL	337 ± 30 g/L	34.1 ± 3.0 g/dL	341 ± 30 g/L	34.8 ± 3.0 g/dL	348 ± 30 g/L
	RDW-CV	17.1 ± 3.0 %	17.1 ± 3.0 %	14.7 ± 3.0 %	14.7 ± 3.0 %	14.2 ± 3.0 %	14.2 ± 3.0 %
	RDW-SD	39.9 ± 8.0 fL	39.9 ± 8.0 fL	42.0 ± 8.0 fL	42.0 ± 8.0 fL	46.2 ± 8.0 fL	46.2 ± 8.0 fL
	PLT	68 ± 20 × 10 ³ /μL	68 ± 20 × 10 ⁹ /L	249 ± 40 × 10 ³ /μL	249 ± 40 × 10 ⁹ /L	525 ± 60 × 10 ³ /μL	525 ± 60 × 10 ⁹ /L
	MPV	8.4 ± 3.0 fL	8.4 ± 3.0 fL	8.3 ± 3.0 fL	8.3 ± 3.0 fL	8.3 ± 3.0 fL	8.3 ± 3.0 fL
	*PCT	0.057 ± 0.050 %	0.057 ± 0.050 %	0.207 ± 0.100 %	0.207 ± 0.100 %	0.436 ± 0.200 %	0.436 ± 0.200 %
	*PDW	15.3 ± 3.0	15.3 ± 3.0	15.7 ± 3.0	15.7 ± 3.0	15.0 ± 3.0	15.0 ± 3.0
	*P-LCC	17 ± 10 × 10 ³ /μL	17 ± 10 × 10 ⁹ /L	61 ± 22 × 10 ³ /μL	61 ± 22 × 10 ⁹ /L	125 ± 30 × 10 ³ /μL	125 ± 30 × 10 ⁹ /L
	*P-LCR	25.5 ± 9.0 %	25.5 ± 9.0 %	24.5 ± 9.0 %	24.5 ± 9.0 %	23.8 ± 9.0 %	23.8 ± 9.0 %
	Lymph	57.9 ± 9.0 %	57.9 ± 9.0 %	28.6 ± 8.0 %	28.6 ± 8.0 %	11.5 ± 8.0 %	11.5 ± 8.0 %
THIS ANALYZER NOT APPROVED FOR USE IN THE US	Mid	12.4 ± 12.4 %	12.4 ± 12.4 %	9.1 ± 9.1 %	9.1 ± 9.1 %	4.3 ± 4.3 %	4.3 ± 4.3 %
	Gran	29.7 ± 10.0 %	29.7 ± 10.0 %	62.3 ± 8.0 %	62.3 ± 8.0 %	84.2 ± 9.0 %	84.2 ± 9.0 %
	Lymph#	1.2 ± 0.2 × 10 ³ /μL	1.2 ± 0.2 × 10 ⁹ /L	2.3 ± 0.7 × 10 ³ /μL	2.3 ± 0.7 × 10 ⁹ /L	2.5 ± 1.8 × 10 ³ /μL	2.5 ± 1.8 × 10 ⁹ /L
	Mid#	0.2 ± 0.2 × 10 ³ /μL	0.2 ± 0.2 × 10 ⁹ /L	0.7 ± 0.7 × 10 ³ /μL	0.7 ± 0.7 × 10 ⁹ /L	0.9 ± 0.9 × 10 ³ /μL	0.9 ± 0.9 × 10 ⁹ /L
	Gran#	0.6 ± 0.2 × 10 ³ /μL	0.6 ± 0.2 × 10 ⁹ /L	5.1 ± 0.7 × 10 ³ /μL	5.1 ± 0.7 × 10 ⁹ /L	18.2 ± 2.0 × 10 ³ /μL	18.2 ± 2.0 × 10 ⁹ /L

* For Research Use Only.

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

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BC-3D

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ASSAY VALUES AND EXPECTED RANGES

LOT

 B0225


2025-05-05

Instrument	Parameter	Low		Normal		High	
		<div>LOT</div> B0225L		<div>LOT</div> B0225N		<div>LOT</div> B0225H	
		The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-3200	WBC	2.2 ± 0.5 × 10 ³ /μL	2.2 ± 0.5 × 10 ⁹ /L	8.5 ± 1.0 × 10 ³ /μL	8.5 ± 1.0 × 10 ⁹ /L	22.6 ± 2.5 × 10 ³ /μL	22.6 ± 2.5 × 10 ⁹ /L
	RBC	2.39 ± 0.18 × 10 ⁶ /μL	2.39 ± 0.18 × 10 ¹² /L	4.75 ± 0.24 × 10 ⁶ /μL	4.75 ± 0.24 × 10 ¹² /L	5.75 ± 0.30 × 10 ⁶ /μL	5.75 ± 0.30 × 10 ¹² /L
	HGB	6.1 ± 0.4 g/dL	61 ± 4 g/L	14.2 ± 0.6 g/dL	142 ± 6 g/L	18.7 ± 0.8 g/dL	187 ± 8 g/L
	HCT	18.1 ± 1.5 %	18.1 ± 1.5 %	41.5 ± 2.0 %	41.5 ± 2.0 %	54.9 ± 2.4 %	54.9 ± 2.4 %
	MCV	75.8 ± 5.0 fL	75.8 ± 5.0 fL	87.4 ± 5.0 fL	87.4 ± 5.0 fL	95.5 ± 5.0 fL	95.5 ± 5.0 fL
	MCH	25.5 ± 2.5 pg	25.5 ± 2.5 pg	29.9 ± 2.5 pg	29.9 ± 2.5 pg	32.5 ± 2.5 pg	32.5 ± 2.5 pg
	MCHC	33.7 ± 3.0 g/dL	337 ± 30 g/L	34.2 ± 3.0 g/dL	342 ± 30 g/L	34.1 ± 3.0 g/dL	341 ± 30 g/L
	*RDW	15.4 ± 3.0 %	15.4 ± 3.0 %	14.6 ± 3.0 %	14.6 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %
	PLT	76 ± 20 × 10 ³ /μL	76 ± 20 × 10 ⁹ /L	251 ± 40 × 10 ³ /μL	251 ± 40 × 10 ⁹ /L	516 ± 60 × 10 ³ /μL	516 ± 60 × 10 ⁹ /L
	*MPV	7.9 ± 3.0 fL	7.9 ± 3.0 fL	7.3 ± 3.0 fL	7.3 ± 3.0 fL	7.1 ± 3.0 fL	7.1 ± 3.0 fL
	Lymph	54.0 ± 12.0 %	54.0 ± 12.0 %	25.0 ± 8.0 %	25.0 ± 8.0 %	11.5 ± 7.0 %	11.5 ± 7.0 %
	*Mid	14.0 ± 10.0 %	14.0 ± 10.0 %	11.5 ± 9.0 %	11.5 ± 9.0 %	9.0 ± 8.0 %	9.0 ± 8.0 %
	Gran	32.0 ± 9.0 %	32.0 ± 9.0 %	63.5 ± 8.0 %	63.5 ± 8.0 %	79.5 ± 10.0 %	79.5 ± 10.0 %
	Lymph#	1.2 ± 0.3 × 10 ³ /μL	1.2 ± 0.3 × 10 ⁹ /L	2.1 ± 0.7 × 10 ³ /μL	2.1 ± 0.7 × 10 ⁹ /L	2.6 ± 1.6 × 10 ³ /μL	2.6 ± 1.6 × 10 ⁹ /L
	*Mid#	0.3 ± 0.3 × 10 ³ /μL	0.3 ± 0.3 × 10 ⁹ /L	1.0 ± 0.8 × 10 ³ /μL	1.0 ± 0.8 × 10 ⁹ /L	2.0 ± 1.8 × 10 ³ /μL	2.0 ± 1.8 × 10 ⁹ /L
	Gran#	0.7 ± 0.2 × 10 ³ /μL	0.7 ± 0.2 × 10 ⁹ /L	5.4 ± 0.7 × 10 ³ /μL	5.4 ± 0.7 × 10 ⁹ /L	18.0 ± 2.3 × 10 ³ /μL	18.0 ± 2.3 × 10 ⁹ /L

* For new software version 01.07.00 or greater.

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