

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B1123



2024-02-05

Instrument	Parameter	Low		Normal		High	
		LOT	B1123L	LOT	B1123N	LOT	B1123H
		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	1.8 ± 0.5 × 10 ³ /μL	1.8 ± 0.5 × 10 ⁹ /L	7.5 ± 1.0 × 10 ³ /μL	7.5 ± 1.0 × 10 ⁹ /L	20.3 ± 2.5 × 10 ³ /μL	20.3 ± 2.5 × 10 ⁹ /L
	RBC	2.27 ± 0.18 × 10 ⁶ /μL	2.27 ± 0.18 × 10 ¹² /L	4.60 ± 0.24 × 10 ⁶ /μL	4.60 ± 0.24 × 10 ¹² /L	5.71 ± 0.30 × 10 ⁶ /μL	5.71 ± 0.30 × 10 ¹² /L
	HGB	5.7 ± 0.4 g/dL	57 ± 4 g/L	13.6 ± 0.6 g/dL	136 ± 6 g/L	18.8 ± 0.8 g/dL	188 ± 8 g/L
	HCT	17.3 ± 1.5 %	17.3 ± 1.5 %	39.6 ± 2.0 %	39.6 ± 2.0 %	53.7 ± 2.4 %	53.7 ± 2.4 %
	MCV	76.0 ± 5.0 fL	76.0 ± 5.0 fL	86.0 ± 5.0 fL	86.0 ± 5.0 fL	94.0 ± 5.0 fL	94.0 ± 5.0 fL
	MCH	25.1 ± 2.5 pg	25.1 ± 2.5 pg	29.6 ± 2.5 pg	29.6 ± 2.5 pg	32.9 ± 2.5 pg	32.9 ± 2.5 pg
	MCHC	33.0 ± 3.0 g/dL	330 ± 30 g/L	34.4 ± 3.0 g/dL	344 ± 30 g/L	35.0 ± 3.0 g/dL	350 ± 30 g/L
	RDW	15.5 ± 3.0 %	15.5 ± 3.0 %	14.5 ± 3.0 %	14.5 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %
	PLT	62 ± 20 × 10 ³ /μL	62 ± 20 × 10 ⁹ /L	252 ± 40 × 10 ³ /μL	252 ± 40 × 10 ⁹ /L	548 ± 60 × 10 ³ /μL	548 ± 60 × 10 ⁹ /L
	MPV	7.5 ± 3.0 fL	7.5 ± 3.0 fL	7.5 ± 3.0 fL	7.5 ± 3.0 fL	7.6 ± 3.0 fL	7.6 ± 3.0 fL
	Lymph	60.5 ± 9.0 %	60.5 ± 9.0 %	32.0 ± 8.0 %	32.0 ± 8.0 %	14.0 ± 8.0 %	14.0 ± 8.0 %
	Mid	8.5 ± 8.0 %	8.5 ± 8.0 %	6.0 ± 5.0 %	6.0 ± 5.0 %	4.0 ± 3.0 %	4.0 ± 3.0 %
	Gran	31.0 ± 9.0 %	31.0 ± 9.0 %	62.0 ± 8.0 %	62.0 ± 8.0 %	82.0 ± 9.0 %	82.0 ± 9.0 %
	Lymph#	1.1 ± 0.2 × 10 ³ /μL	1.1 ± 0.2 × 10 ⁹ /L	2.4 ± 0.6 × 10 ³ /μL	2.4 ± 0.6 × 10 ⁹ /L	2.8 ± 1.7 × 10 ³ /μL	2.8 ± 1.7 × 10 ⁹ /L
	Mid#	0.2 ± 0.2 × 10 ³ /μL	0.2 ± 0.2 × 10 ⁹ /L	0.5 ± 0.4 × 10 ³ /μL	0.5 ± 0.4 × 10 ⁹ /L	0.8 ± 0.7 × 10 ³ /μL	0.8 ± 0.7 × 10 ⁹ /L
	Gran#	0.6 ± 0.2 × 10 ³ /μL	0.6 ± 0.2 × 10 ⁹ /L	4.7 ± 0.6 × 10 ³ /μL	4.7 ± 0.6 × 10 ⁹ /L	16.6 ± 1.9 × 10 ³ /μL	16.6 ± 1.9 × 10 ⁹ /L
BC-3600 CD version lower than 1.8 and/or manufacture date before March of 2015	WBC	1.9 ± 0.5 × 10 ³ /μL	1.9 ± 0.5 × 10 ⁹ /L	7.8 ± 1.0 × 10 ³ /μL	7.8 ± 1.0 × 10 ⁹ /L	20.6 ± 2.5 × 10 ³ /μL	20.6 ± 2.5 × 10 ⁹ /L
	RBC	2.32 ± 0.18 × 10 ⁶ /μL	2.32 ± 0.18 × 10 ¹² /L	4.70 ± 0.24 × 10 ⁶ /μL	4.70 ± 0.24 × 10 ¹² /L	5.76 ± 0.30 × 10 ⁶ /μL	5.76 ± 0.30 × 10 ¹² /L
	HGB	5.9 ± 0.4 g/dL	59 ± 4 g/L	13.6 ± 0.6 g/dL	136 ± 6 g/L	18.6 ± 0.8 g/dL	186 ± 8 g/L
	HCT	17.7 ± 1.5 %	17.7 ± 1.5 %	40.3 ± 2.0 %	40.3 ± 2.0 %	54.0 ± 2.4 %	54.0 ± 2.4 %
	MCV	76.2 ± 5.0 fL	76.2 ± 5.0 fL	85.8 ± 5.0 fL	85.8 ± 5.0 fL	93.8 ± 5.0 fL	93.8 ± 5.0 fL
	MCH	25.4 ± 2.5 pg	25.4 ± 2.5 pg	28.9 ± 2.5 pg	28.9 ± 2.5 pg	32.3 ± 2.5 pg	32.3 ± 2.5 pg
	MCHC	33.4 ± 3.0 g/dL	334 ± 30 g/L	33.7 ± 3.0 g/dL	337 ± 30 g/L	34.4 ± 3.0 g/dL	344 ± 30 g/L
	RDW-CV	17.2 ± 3.0 %	17.2 ± 3.0 %	15.3 ± 3.0 %	15.3 ± 3.0 %	14.7 ± 3.0 %	14.7 ± 3.0 %
	RDW-SD	38.7 ± 8.0 fL	38.7 ± 8.0 fL	42.0 ± 8.0 fL	42.0 ± 8.0 fL	47.2 ± 8.0 fL	47.2 ± 8.0 fL
	PLT	68 ± 20 × 10 ³ /μL	68 ± 20 × 10 ⁹ /L	263 ± 40 × 10 ³ /μL	263 ± 40 × 10 ⁹ /L	549 ± 60 × 10 ³ /μL	549 ± 60 × 10 ⁹ /L
	MPV	9.3 ± 3.0 fL	9.3 ± 3.0 fL	8.8 ± 3.0 fL	8.8 ± 3.0 fL	9.0 ± 3.0 fL	9.0 ± 3.0 fL
	*PCT	0.063 ± 0.050 %	0.063 ± 0.050 %	0.231 ± 0.100 %	0.231 ± 0.100 %	0.494 ± 0.200 %	0.494 ± 0.200 %
	*PDW	15.5 ± 3.0	15.5 ± 3.0	15.7 ± 3.0	15.7 ± 3.0	16.0 ± 3.0	16.0 ± 3.0
	*P-LCC	23 ± 10 × 10 ³ /μL	23 ± 10 × 10 ⁹ /L	75 ± 22 × 10 ³ /μL	75 ± 22 × 10 ⁹ /L	162 ± 30 × 10 ³ /μL	162 ± 30 × 10 ⁹ /L
	*P-LCR	33.7 ± 9.0 %	33.7 ± 9.0 %	28.7 ± 9.0 %	28.7 ± 9.0 %	29.5 ± 9.0 %	29.5 ± 9.0 %
	Lymph	60.3 ± 9.0 %	60.3 ± 9.0 %	31.6 ± 8.0 %	31.6 ± 8.0 %	14.0 ± 8.0 %	14.0 ± 8.0 %
Mid	9.7 ± 9.0 %	9.7 ± 9.0 %	6.8 ± 6.0 %	6.8 ± 6.0 %	4.6 ± 4.5 %	4.6 ± 4.5 %	
Gran	30.0 ± 9.0 %	30.0 ± 9.0 %	61.6 ± 8.0 %	61.6 ± 8.0 %	81.4 ± 9.0 %	81.4 ± 9.0 %	
Lymph#	1.1 ± 0.2 × 10 ³ /μL	1.1 ± 0.2 × 10 ⁹ /L	2.5 ± 0.7 × 10 ³ /μL	2.5 ± 0.7 × 10 ⁹ /L	2.9 ± 1.7 × 10 ³ /μL	2.9 ± 1.7 × 10 ⁹ /L	
Mid#	0.2 ± 0.2 × 10 ³ /μL	0.2 ± 0.2 × 10 ⁹ /L	0.5 ± 0.5 × 10 ³ /μL	0.5 ± 0.5 × 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	4.8 ± 0.7 × 10 ³ /μL	4.8 ± 0.7 × 10 ⁹ /L	16.8 ± 1.9 × 10 ³ /μL	16.8 ± 1.9 × 10 ⁹ /L	

THIS
ANALYZER
NOT
APPROVED
FOR USE IN
THE US

* For Research Use Only.
Before using, refer to the instruction sheet for mixing directions.

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BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

 B1123


2024-02-05

Instrument	Parameter	Low		Normal		High	
		<div style="border: 1px solid black; padding: 2px;">LOT</div> B1123L	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1123N	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1123H	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1123H		
		The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-3200	WBC	2.0 ± 0.5 × 10 ⁹ /μL	2.0 ± 0.5 × 10 ⁹ /L	8.2 ± 1.0 × 10 ⁹ /μL	8.2 ± 1.0 × 10 ⁹ /L	21.6 ± 2.5 × 10 ⁹ /μL	21.6 ± 2.5 × 10 ⁹ /L
	RBC	2.30 ± 0.18 × 10 ⁶ /μL	2.30 ± 0.18 × 10 ¹² /L	4.60 ± 0.24 × 10 ⁶ /μL	4.60 ± 0.24 × 10 ¹² /L	5.64 ± 0.30 × 10 ⁶ /μL	5.64 ± 0.30 × 10 ¹² /L
	HGB	5.8 ± 0.4 g/dL	58 ± 4 g/L	13.5 ± 0.6 g/dL	135 ± 6 g/L	18.5 ± 0.8 g/dL	185 ± 8 g/L
	HCT	17.3 ± 1.5 %	17.3 ± 1.5 %	39.6 ± 2.0 %	39.6 ± 2.0 %	53.7 ± 2.4 %	53.7 ± 2.4 %
	MCV	75.1 ± 5.0 fL	75.1 ± 5.0 fL	86.0 ± 5.0 fL	86.0 ± 5.0 fL	95.3 ± 5.0 fL	95.3 ± 5.0 fL
	MCH	25.2 ± 2.5 pg	25.2 ± 2.5 pg	29.3 ± 2.5 pg	29.3 ± 2.5 pg	32.8 ± 2.5 pg	32.8 ± 2.5 pg
	MCHC	33.6 ± 3.0 g/dL	336 ± 30 g/L	34.1 ± 3.0 g/dL	341 ± 30 g/L	34.4 ± 3.0 g/dL	344 ± 30 g/L
	*RDW	15.8 ± 3.0 %	15.8 ± 3.0 %	15.1 ± 3.0 %	15.1 ± 3.0 %	14.3 ± 3.0 %	14.3 ± 3.0 %
	PLT	77 ± 20 × 10 ³ /μL	77 ± 20 × 10 ⁹ /L	259 ± 40 × 10 ³ /μL	259 ± 40 × 10 ⁹ /L	529 ± 60 × 10 ³ /μL	529 ± 60 × 10 ⁹ /L
	*MPV	8.5 ± 3.0 fL	8.5 ± 3.0 fL	7.7 ± 3.0 fL	7.7 ± 3.0 fL	7.7 ± 3.0 fL	7.7 ± 3.0 fL
	Lymph	54.5 ± 12.0 %	54.5 ± 12.0 %	29.5 ± 8.0 %	29.5 ± 8.0 %	14.0 ± 6.0 %	14.0 ± 6.0 %
	*Mid	14.0 ± 10.0 %	14.0 ± 10.0 %	8.0 ± 7.0 %	8.0 ± 7.0 %	6.5 ± 5.0 %	6.5 ± 5.0 %
	Gran	31.5 ± 9.0 %	31.5 ± 9.0 %	62.5 ± 8.0 %	62.5 ± 8.0 %	79.5 ± 8.0 %	79.5 ± 8.0 %
	Lymph#	1.1 ± 0.3 × 10 ³ /μL	1.1 ± 0.3 × 10 ⁹ /L	2.4 ± 0.7 × 10 ³ /μL	2.4 ± 0.7 × 10 ⁹ /L	3.0 ± 1.3 × 10 ³ /μL	3.0 ± 1.3 × 10 ⁹ /L
	*Mid#	0.3 ± 0.2 × 10 ³ /μL	0.3 ± 0.2 × 10 ⁹ /L	0.7 ± 0.6 × 10 ³ /μL	0.7 ± 0.6 × 10 ⁹ /L	1.4 ± 1.1 × 10 ³ /μL	1.4 ± 1.1 × 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	17.2 ± 1.8 × 10 ³ /μL	17.2 ± 1.8 × 10 ⁹ /L

* For new software version 01.07.00 or greater.

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