

# BC-3D

## HEMATOLOGY CONTROLS

CONTROL

## ASSAY VALUES AND EXPECTED RANGES

LOT B1120



2021-02-05

Instrument	Parameter	Low		Normal		High	
		LOT	B1120L	LOT	B1120N	LOT	B1120H
		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	1.9 ± 0.5 × 10 <sup>3</sup> /μL	1.9 ± 0.5 × 10 <sup>9</sup> /L	7.6 ± 1.0 × 10 <sup>3</sup> /μL	7.6 ± 1.0 × 10 <sup>9</sup> /L	20.3 ± 2.5 × 10 <sup>3</sup> /μL	20.3 ± 2.5 × 10 <sup>9</sup> /L
	RBC	2.41 ± 0.18 × 10 <sup>6</sup> /μL	2.41 ± 0.18 × 10 <sup>12</sup> /L	4.68 ± 0.24 × 10 <sup>6</sup> /μL	4.68 ± 0.24 × 10 <sup>12</sup> /L	5.83 ± 0.30 × 10 <sup>6</sup> /μL	5.83 ± 0.30 × 10 <sup>12</sup> /L
	HGB	5.9 ± 0.4 g/dL	59 ± 4 g/L	13.9 ± 0.6 g/dL	139 ± 6 g/L	19.4 ± 0.8 g/dL	194 ± 8 g/L
	HCT	17.7 ± 1.5 %	17.7 ± 1.5 %	40.2 ± 2.0 %	40.2 ± 2.0 %	55.1 ± 2.4 %	55.1 ± 2.4 %
	MCV	73.5 ± 5.0 fL	73.5 ± 5.0 fL	86.0 ± 5.0 fL	86.0 ± 5.0 fL	94.5 ± 5.0 fL	94.5 ± 5.0 fL
	MCH	24.5 ± 2.5 pg	24.5 ± 2.5 pg	29.7 ± 2.5 pg	29.7 ± 2.5 pg	33.3 ± 2.5 pg	33.3 ± 2.5 pg
	MCHC	33.3 ± 3.0 g/dL	333 ± 30 g/L	34.5 ± 3.0 g/dL	345 ± 30 g/L	35.2 ± 3.0 g/dL	352 ± 30 g/L
	RDW	15.5 ± 3.0 %	15.5 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %
	PLT	57 ± 20 × 10 <sup>3</sup> /μL	57 ± 20 × 10 <sup>9</sup> /L	258 ± 40 × 10 <sup>3</sup> /μL	258 ± 40 × 10 <sup>9</sup> /L	568 ± 60 × 10 <sup>3</sup> /μL	568 ± 60 × 10 <sup>9</sup> /L
	MPV	7.5 ± 3.0 fL	7.5 ± 3.0 fL	7.8 ± 3.0 fL	7.8 ± 3.0 fL	8.0 ± 3.0 fL	8.0 ± 3.0 fL
	Lymph	59.5 ± 12.0 %	59.5 ± 12.0 %	32.0 ± 8.0 %	32.0 ± 8.0 %	13.5 ± 8.0 %	13.5 ± 8.0 %
	Mid	8.5 ± 8.0 %	8.5 ± 8.0 %	6.5 ± 5.0 %	6.5 ± 5.0 %	4.5 ± 4.0 %	4.5 ± 4.0 %
	Gran	32.0 ± 9.0 %	32.0 ± 9.0 %	61.5 ± 8.0 %	61.5 ± 8.0 %	82.0 ± 9.0 %	82.0 ± 9.0 %
	Lymph#	1.1 ± 0.3 × 10 <sup>3</sup> /μL	1.1 ± 0.3 × 10 <sup>9</sup> /L	2.4 ± 0.6 × 10 <sup>3</sup> /μL	2.4 ± 0.6 × 10 <sup>9</sup> /L	2.7 ± 1.6 × 10 <sup>3</sup> /μL	2.7 ± 1.6 × 10 <sup>9</sup> /L
	Mid#	0.2 ± 0.2 × 10 <sup>3</sup> /μL	0.2 ± 0.2 × 10 <sup>9</sup> /L	0.5 ± 0.4 × 10 <sup>3</sup> /μL	0.5 ± 0.4 × 10 <sup>9</sup> /L	0.9 ± 0.8 × 10 <sup>3</sup> /μL	0.9 ± 0.8 × 10 <sup>9</sup> /L
	Gran#	0.6 ± 0.2 × 10 <sup>3</sup> /μL	0.6 ± 0.2 × 10 <sup>9</sup> /L	4.7 ± 0.7 × 10 <sup>3</sup> /μL	4.7 ± 0.7 × 10 <sup>9</sup> /L	16.6 ± 1.9 × 10 <sup>3</sup> /μL	16.6 ± 1.9 × 10 <sup>9</sup> /L
BC-3600 CD version lower than 1.8 and/or manufacture date before March of 2015	WBC	1.9 ± 0.5 × 10 <sup>3</sup> /μL	1.9 ± 0.5 × 10 <sup>9</sup> /L	7.7 ± 1.0 × 10 <sup>3</sup> /μL	7.7 ± 1.0 × 10 <sup>9</sup> /L	20.5 ± 2.5 × 10 <sup>3</sup> /μL	20.5 ± 2.5 × 10 <sup>9</sup> /L
	RBC	2.49 ± 0.18 × 10 <sup>6</sup> /μL	2.49 ± 0.18 × 10 <sup>12</sup> /L	4.76 ± 0.24 × 10 <sup>6</sup> /μL	4.76 ± 0.24 × 10 <sup>12</sup> /L	5.86 ± 0.30 × 10 <sup>6</sup> /μL	5.86 ± 0.30 × 10 <sup>12</sup> /L
	HGB	6.0 ± 0.4 g/dL	60 ± 4 g/L	13.8 ± 0.6 g/dL	138 ± 6 g/L	18.9 ± 0.8 g/dL	189 ± 8 g/L
	HCT	18.3 ± 1.5 %	18.3 ± 1.5 %	40.9 ± 2.0 %	40.9 ± 2.0 %	55.1 ± 2.4 %	55.1 ± 2.4 %
	MCV	73.5 ± 5.0 fL	73.5 ± 5.0 fL	86.0 ± 5.0 fL	86.0 ± 5.0 fL	94.0 ± 5.0 fL	94.0 ± 5.0 fL
	MCH	24.1 ± 2.5 pg	24.1 ± 2.5 pg	29.0 ± 2.5 pg	29.0 ± 2.5 pg	32.3 ± 2.5 pg	32.3 ± 2.5 pg
	MCHC	32.8 ± 3.0 g/dL	328 ± 30 g/L	33.7 ± 3.0 g/dL	337 ± 30 g/L	34.3 ± 3.0 g/dL	343 ± 30 g/L
	RDW-CV	17.0 ± 3.0 %	17.0 ± 3.0 %	15.0 ± 3.0 %	15.0 ± 3.0 %	15.0 ± 3.0 %	15.0 ± 3.0 %
	RDW-SD	37.0 ± 8.0 fL	37.0 ± 8.0 fL	44.0 ± 8.0 fL	44.0 ± 8.0 fL	46.0 ± 8.0 fL	46.0 ± 8.0 fL
	PLT	60 ± 20 × 10 <sup>3</sup> /μL	60 ± 20 × 10 <sup>9</sup> /L	262 ± 40 × 10 <sup>3</sup> /μL	262 ± 40 × 10 <sup>9</sup> /L	567 ± 60 × 10 <sup>3</sup> /μL	567 ± 60 × 10 <sup>9</sup> /L
	MPV	8.3 ± 3.0 fL	8.3 ± 3.0 fL	8.9 ± 3.0 fL	8.9 ± 3.0 fL	9.1 ± 3.0 fL	9.1 ± 3.0 fL
	*PCT	0.050 ± 0.050 %	0.050 ± 0.050 %	0.233 ± 0.100 %	0.233 ± 0.100 %	0.516 ± 0.200 %	0.516 ± 0.200 %
	*PDW	15.1 ± 3.0	15.1 ± 3.0	15.7 ± 3.0	15.7 ± 3.0	16.0 ± 3.0	16.0 ± 3.0
	*P-LCC	15 ± 10 × 10 <sup>3</sup> /μL	15 ± 10 × 10 <sup>9</sup> /L	75 ± 22 × 10 <sup>3</sup> /μL	75 ± 22 × 10 <sup>9</sup> /L	166 ± 30 × 10 <sup>3</sup> /μL	166 ± 30 × 10 <sup>9</sup> /L
	*P-LCR	25.2 ± 9.0 %	25.2 ± 9.0 %	28.6 ± 9.0 %	28.6 ± 9.0 %	29.3 ± 9.0 %	29.3 ± 9.0 %
	Lymph	59.4 ± 9.0 %	59.4 ± 9.0 %	31.9 ± 8.0 %	31.9 ± 8.0 %	13.9 ± 8.0 %	13.9 ± 8.0 %
Mid	10.1 ± 8.0 %	10.1 ± 8.0 %	8.6 ± 7.0 %	8.6 ± 7.0 %	5.4 ± 5.0 %	5.4 ± 5.0 %	
Gran	30.5 ± 9.0 %	30.5 ± 9.0 %	59.5 ± 8.0 %	59.5 ± 8.0 %	80.7 ± 9.0 %	80.7 ± 9.0 %	
Lymph#	1.1 ± 0.3 × 10 <sup>3</sup> /μL	1.1 ± 0.3 × 10 <sup>9</sup> /L	2.5 ± 0.7 × 10 <sup>3</sup> /μL	2.5 ± 0.7 × 10 <sup>9</sup> /L	2.8 ± 1.7 × 10 <sup>3</sup> /μL	2.8 ± 1.7 × 10 <sup>9</sup> /L	
Mid#	0.2 ± 0.2 × 10 <sup>3</sup> /μL	0.2 ± 0.2 × 10 <sup>9</sup> /L	0.7 ± 0.6 × 10 <sup>3</sup> /μL	0.7 ± 0.6 × 10 <sup>9</sup> /L	1.1 ± 1.1 × 10 <sup>3</sup> /μL	1.1 ± 1.1 × 10 <sup>9</sup> /L	
Gran#	0.6 ± 0.2 × 10 <sup>3</sup> /μL	0.6 ± 0.2 × 10 <sup>9</sup> /L	4.5 ± 0.7 × 10 <sup>3</sup> /μL	4.5 ± 0.7 × 10 <sup>9</sup> /L	16.6 ± 1.9 × 10 <sup>3</sup> /μL	16.6 ± 1.9 × 10 <sup>9</sup> /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

 B1120


2021-02-05

Instrument	Parameter	Low		Normal		High	
		<div style="border: 1px solid black; padding: 2px;">LOT</div> B1120L	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1120N	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1120N	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1120H	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1120H	<div style="border: 1px solid black; padding: 2px;">LOT</div> B1120H
		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 <sup>9</sup> /μL	2.0 ± 0.5 × 10 <sup>9</sup> /L	8.0 ± 1.0 × 10 <sup>9</sup> /μL	8.0 ± 1.0 × 10 <sup>9</sup> /L	21.2 ± 2.5 × 10 <sup>9</sup> /μL	21.2 ± 2.5 × 10 <sup>9</sup> /L
	RBC	2.49 ± 0.18 × 10 <sup>6</sup> /μL	2.49 ± 0.18 × 10 <sup>12</sup> /L	4.71 ± 0.24 × 10 <sup>6</sup> /μL	4.71 ± 0.24 × 10 <sup>12</sup> /L	5.81 ± 0.30 × 10 <sup>6</sup> /μL	5.81 ± 0.30 × 10 <sup>12</sup> /L
	HGB	5.9 ± 0.4 g/dL	59 ± 4 g/L	13.8 ± 0.6 g/dL	138 ± 6 g/L	19.0 ± 0.8 g/dL	190 ± 8 g/L
	HCT	18.2 ± 1.5 %	18.2 ± 1.5 %	41.0 ± 2.0 %	41.0 ± 2.0 %	55.8 ± 2.4 %	55.8 ± 2.4 %
	MCV	73.2 ± 5.0 fL	73.2 ± 5.0 fL	87.1 ± 5.0 fL	87.1 ± 5.0 fL	96.0 ± 5.0 fL	96.0 ± 5.0 fL
	MCH	23.7 ± 2.5 pg	23.7 ± 2.5 pg	29.3 ± 2.5 pg	29.3 ± 2.5 pg	32.7 ± 2.5 pg	32.7 ± 2.5 pg
	MCHC	32.4 ± 3.0 g/dL	324 ± 30 g/L	33.6 ± 3.0 g/dL	336 ± 30 g/L	34.1 ± 3.0 g/dL	341 ± 30 g/L
	*RDW	15.5 ± 3.0 %	15.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %
	PLT	70 ± 20 × 10 <sup>3</sup> /μL	70 ± 20 × 10 <sup>9</sup> /L	262 ± 40 × 10 <sup>3</sup> /μL	262 ± 40 × 10 <sup>9</sup> /L	546 ± 60 × 10 <sup>3</sup> /μL	546 ± 60 × 10 <sup>9</sup> /L
	*MPV	8.1 ± 3.0 fL	8.1 ± 3.0 fL	8.0 ± 3.0 fL	8.0 ± 3.0 fL	7.8 ± 3.0 fL	7.8 ± 3.0 fL
	Lymph	51.5 ± 12.0 %	51.5 ± 12.0 %	30.0 ± 8.0 %	30.0 ± 8.0 %	13.0 ± 6.0 %	13.0 ± 6.0 %
	*Mid	14.0 ± 9.0 %	14.0 ± 9.0 %	8.5 ± 7.0 %	8.5 ± 7.0 %	5.5 ± 5.0 %	5.5 ± 5.0 %
	Gran	34.5 ± 10.0 %	34.5 ± 10.0 %	61.5 ± 8.0 %	61.5 ± 8.0 %	81.5 ± 8.0 %	81.5 ± 8.0 %
	Lymph#	1.0 ± 0.3 × 10 <sup>3</sup> /μL	1.0 ± 0.3 × 10 <sup>9</sup> /L	2.4 ± 0.7 × 10 <sup>3</sup> /μL	2.4 ± 0.7 × 10 <sup>9</sup> /L	2.8 ± 1.3 × 10 <sup>3</sup> /μL	2.8 ± 1.3 × 10 <sup>9</sup> /L
	*Mid#	0.3 ± 0.2 × 10 <sup>3</sup> /μL	0.3 ± 0.2 × 10 <sup>9</sup> /L	0.7 ± 0.6 × 10 <sup>3</sup> /μL	0.7 ± 0.6 × 10 <sup>9</sup> /L	1.2 ± 1.1 × 10 <sup>3</sup> /μL	1.2 ± 1.1 × 10 <sup>9</sup> /L
	Gran#	0.7 ± 0.3 × 10 <sup>3</sup> /μL	0.7 ± 0.3 × 10 <sup>9</sup> /L	4.9 ± 0.7 × 10 <sup>3</sup> /μL	4.9 ± 0.7 × 10 <sup>9</sup> /L	17.3 ± 1.7 × 10 <sup>3</sup> /μL	17.3 ± 1.7 × 10 <sup>9</sup> /L

\* For new software version 01.07.00 or greater.

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

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