

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B1118



2019-02-05

Instrument	Parameter	Low		Normal		High	
		LOT B1118L	LOT B1118L	LOT B1118N	LOT B1118N	LOT B1118H	LOT B1118H
		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 ³ /μL	2.0 ± 0.5 × 10 ⁹ /L	7.7 ± 1.0 × 10 ³ /μL	7.7 ± 1.0 × 10 ⁹ /L	20.8 ± 2.5 × 10 ³ /μL	20.8 ± 2.5 × 10 ⁹ /L
	RBC	2.42 ± 0.18 × 10 ⁶ /μL	2.42 ± 0.18 × 10 ¹² /L	4.72 ± 0.24 × 10 ⁶ /μL	4.72 ± 0.24 × 10 ¹² /L	5.81 ± 0.30 × 10 ⁶ /μL	5.81 ± 0.30 × 10 ¹² /L
	HGB	6.0 ± 0.4 g/dL	60 ± 4 g/L	13.6 ± 0.6 g/dL	136 ± 6 g/L	19.1 ± 0.8 g/dL	191 ± 8 g/L
	HCT	18.3 ± 1.5 %	18.3 ± 1.5 %	39.9 ± 2.0 %	39.9 ± 2.0 %	54.3 ± 2.4 %	54.3 ± 2.4 %
	MCV	75.5 ± 5.0 fL	75.5 ± 5.0 fL	84.5 ± 5.0 fL	84.5 ± 5.0 fL	93.5 ± 5.0 fL	93.5 ± 5.0 fL
	MCH	24.8 ± 2.5 pg	24.8 ± 2.5 pg	28.8 ± 2.5 pg	28.8 ± 2.5 pg	32.9 ± 2.5 pg	32.9 ± 2.5 pg
	MCHC	32.8 ± 3.0 g/dL	328 ± 30 g/L	34.1 ± 3.0 g/dL	341 ± 30 g/L	35.2 ± 3.0 g/dL	352 ± 30 g/L
	RDW	14.0 ± 3.0 %	14.0 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.0 ± 3.0 %	13.0 ± 3.0 %
	PLT	70 ± 20 × 10 ³ /μL	70 ± 20 × 10 ⁹ /L	262 ± 40 × 10 ³ /μL	262 ± 40 × 10 ⁹ /L	524 ± 60 × 10 ³ /μL	524 ± 60 × 10 ⁹ /L
	MPV	8.2 ± 3.0 fL	8.2 ± 3.0 fL	8.2 ± 3.0 fL	8.2 ± 3.0 fL	8.2 ± 3.0 fL	8.2 ± 3.0 fL
	Lymph	59.0 ± 12.0 %	59.0 ± 12.0 %	32.0 ± 8.0 %	32.0 ± 8.0 %	14.5 ± 8.0 %	14.5 ± 8.0 %
	Mid	8.0 ± 7.0 %	8.0 ± 7.0 %	6.5 ± 6.0 %	6.5 ± 6.0 %	4.0 ± 3.0 %	4.0 ± 3.0 %
	Gran	33.0 ± 9.0 %	33.0 ± 9.0 %	61.5 ± 8.0 %	61.5 ± 8.0 %	81.5 ± 9.0 %	81.5 ± 9.0 %
	Lymph#	1.2 ± 0.3 × 10 ³ /μL	1.2 ± 0.3 × 10 ⁹ /L	2.5 ± 0.7 × 10 ³ /μL	2.5 ± 0.7 × 10 ⁹ /L	3.0 ± 1.7 × 10 ³ /μL	3.0 ± 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	0.8 ± 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	4.7 ± 0.7 × 10 ³ /μL	4.7 ± 0.7 × 10 ⁹ /L	17.0 ± 1.9 × 10 ³ /μL	17.0 ± 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 ³ /μL	2.0 ± 0.5 × 10 ⁹ /L	7.8 ± 1.0 × 10 ³ /μL	7.8 ± 1.0 × 10 ⁹ /L	20.8 ± 2.5 × 10 ³ /μL
RBC		2.47 ± 0.18 × 10 ⁶ /μL	2.47 ± 0.18 × 10 ¹² /L	4.80 ± 0.24 × 10 ⁶ /μL	4.80 ± 0.24 × 10 ¹² /L	5.88 ± 0.30 × 10 ⁶ /μL	5.88 ± 0.30 × 10 ¹² /L
HGB		6.2 ± 0.4 g/dL	62 ± 4 g/L	13.6 ± 0.6 g/dL	136 ± 6 g/L	18.8 ± 0.8 g/dL	188 ± 8 g/L
HCT		18.8 ± 1.5 %	18.8 ± 1.5 %	40.3 ± 2.0 %	40.3 ± 2.0 %	54.7 ± 2.4 %	54.7 ± 2.4 %
MCV		76.0 ± 5.0 fL	76.0 ± 5.0 fL	84.0 ± 5.0 fL	84.0 ± 5.0 fL	93.0 ± 5.0 fL	93.0 ± 5.0 fL
MCH		25.1 ± 2.5 pg	25.1 ± 2.5 pg	28.3 ± 2.5 pg	28.3 ± 2.5 pg	32.0 ± 2.5 pg	32.0 ± 2.5 pg
MCHC		33.0 ± 3.0 g/dL	330 ± 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		16.0 ± 3.0 %	16.0 ± 3.0 %	15.0 ± 3.0 %	15.0 ± 3.0 %	14.5 ± 3.0 %	14.5 ± 3.0 %
RDW-SD		35.0 ± 8.0 fL	35.0 ± 8.0 fL	39.0 ± 8.0 fL	39.0 ± 8.0 fL	43.0 ± 8.0 fL	43.0 ± 8.0 fL
PLT		70 ± 20 × 10 ³ /μL	70 ± 20 × 10 ⁹ /L	265 ± 40 × 10 ³ /μL	265 ± 40 × 10 ⁹ /L	532 ± 60 × 10 ³ /μL	532 ± 60 × 10 ⁹ /L
MPV		9.3 ± 3.0 fL	9.3 ± 3.0 fL	9.5 ± 3.0 fL	9.5 ± 3.0 fL	9.5 ± 3.0 fL	9.5 ± 3.0 fL
*PCT		0.060 ± 0.050 %	0.060 ± 0.050 %	0.250 ± 0.100 %	0.250 ± 0.100 %	0.500 ± 0.200 %	0.500 ± 0.200 %
*PDW		15.3 ± 3.0	15.3 ± 3.0	15.7 ± 3.0	15.7 ± 3.0	15.9 ± 3.0	15.9 ± 3.0
*P-LCC		25 ± 10 × 10 ³ /μL	25 ± 10 × 10 ⁹ /L	90 ± 22 × 10 ³ /μL	90 ± 22 × 10 ⁹ /L	180 ± 30 × 10 ³ /μL	180 ± 30 × 10 ⁹ /L
*P-LCR		35.0 ± 9.0 %	35.0 ± 9.0 %	34.0 ± 9.0 %	34.0 ± 9.0 %	34.0 ± 9.0 %	34.0 ± 9.0 %
Lymph		58.5 ± 9.0 %	58.5 ± 9.0 %	31.5 ± 8.0 %	31.5 ± 8.0 %	14.0 ± 8.0 %	14.0 ± 8.0 %
Mid		10.5 ± 8.0 %	10.5 ± 8.0 %	8.0 ± 7.0 %	8.0 ± 7.0 %	5.5 ± 5.0 %	5.5 ± 5.0 %
Gran	31.0 ± 8.0 %	31.0 ± 8.0 %	60.5 ± 8.0 %	60.5 ± 8.0 %	80.5 ± 9.0 %	80.5 ± 9.0 %	
Lymph#	1.2 ± 0.2 × 10 ³ /μL	1.2 ± 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	0.6 ± 0.6 × 10 ³ /μL	0.6 ± 0.6 × 10 ⁹ /L	1.1 ± 1.1 × 10 ³ /μL	1.1 ± 1.1 × 10 ⁹ /L	
Gran#	0.6 ± 0.2 × 10 ³ /μL	0.6 ± 0.2 × 10 ⁹ /L	4.7 ± 0.7 × 10 ³ /μL	4.7 ± 0.7 × 10 ⁹ /L	16.7 ± 1.9 × 10 ³ /μL	16.7 ± 1.9 × 10 ⁹ /L	

* For Research Use Only.

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

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ASSAY VALUES AND EXPECTED RANGES

LOT	B1118
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2019-02-05

Instrument	Parameter	Low		Normal		High	
		LOT B1118L		LOT B1118N		LOT B1118H	
		The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
BC-3200	WBC	2.1 ± 0.5 × 10 ³ /μL	2.1 ± 0.5 × 10 ⁹ /L	8.2 ± 1.0 × 10 ³ /μL	8.2 ± 1.0 × 10 ⁹ /L	21.9 ± 2.5 × 10 ³ /μL	21.9 ± 2.5 × 10 ⁹ /L
	RBC	2.41 ± 0.18 × 10 ⁶ /μL	2.41 ± 0.18 × 10 ¹² /L	4.68 ± 0.24 × 10 ⁶ /μL	4.68 ± 0.24 × 10 ¹² /L	5.82 ± 0.30 × 10 ⁶ /μL	5.82 ± 0.30 × 10 ¹² /L
	HGB	6.1 ± 0.4 g/dL	61 ± 4 g/L	13.7 ± 0.6 g/dL	137 ± 6 g/L	19.0 ± 0.8 g/dL	190 ± 8 g/L
	HCT	18.3 ± 1.5 %	18.3 ± 1.5 %	40.5 ± 2.0 %	40.5 ± 2.0 %	55.9 ± 2.4 %	55.9 ± 2.4 %
	MCV	76.0 ± 5.0 fL	76.0 ± 5.0 fL	86.5 ± 5.0 fL	86.5 ± 5.0 fL	96.0 ± 5.0 fL	96.0 ± 5.0 fL
	MCH	25.3 ± 2.5 pg	25.3 ± 2.5 pg	29.3 ± 2.5 pg	29.3 ± 2.5 pg	32.6 ± 2.5 pg	32.6 ± 2.5 pg
	MCHC	33.3 ± 3.0 g/dL	333 ± 30 g/L	33.8 ± 3.0 g/dL	338 ± 30 g/L	34.0 ± 3.0 g/dL	340 ± 30 g/L
	*RDW	14.5 ± 3.0 %	14.5 ± 3.0 %	13.5 ± 3.0 %	13.5 ± 3.0 %	13.0 ± 3.0 %	13.0 ± 3.0 %
	PLT	82 ± 20 × 10 ³ /μL	82 ± 20 × 10 ⁹ /L	259 ± 40 × 10 ³ /μL	259 ± 40 × 10 ⁹ /L	500 ± 60 × 10 ³ /μL	500 ± 60 × 10 ⁹ /L
	*MPV	8.5 ± 3.0 fL	8.5 ± 3.0 fL	7.9 ± 3.0 fL	7.9 ± 3.0 fL	7.9 ± 3.0 fL	7.9 ± 3.0 fL
	Lymph	49.0 ± 12.0 %	49.0 ± 12.0 %	28.0 ± 8.0 %	28.0 ± 8.0 %	14.0 ± 6.0 %	14.0 ± 6.0 %
	*Mid	15.5 ± 9.0 %	15.5 ± 9.0 %	9.0 ± 8.0 %	9.0 ± 8.0 %	8.0 ± 7.0 %	8.0 ± 7.0 %
	Gran	35.5 ± 10.0 %	35.5 ± 10.0 %	63.0 ± 8.0 %	63.0 ± 8.0 %	78.0 ± 8.0 %	78.0 ± 8.0 %
	Lymph#	1.0 ± 0.3 × 10 ³ /μL	1.0 ± 0.3 × 10 ⁹ /L	2.3 ± 0.7 × 10 ³ /μL	2.3 ± 0.7 × 10 ⁹ /L	3.1 ± 1.4 × 10 ³ /μL	3.1 ± 1.4 × 10 ⁹ /L
	*Mid#	0.3 ± 0.2 × 10 ³ /μL	0.3 ± 0.2 × 10 ⁹ /L	0.7 ± 0.7 × 10 ³ /μL	0.7 ± 0.7 × 10 ⁹ /L	1.8 ± 1.6 × 10 ³ /μL	1.8 ± 1.6 × 10 ⁹ /L
	Gran#	0.7 ± 0.2 × 10 ³ /μL	0.7 ± 0.2 × 10 ⁹ /L	5.2 ± 0.7 × 10 ³ /μL	5.2 ± 0.7 × 10 ⁹ /L	17.1 ± 1.8 × 10 ³ /μL	17.1 ± 1.8 × 10 ⁹ /L

* For new software version 01.07.00 or greater.

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

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