

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B1117



2018-02-05

Instrument	Parameter	Low		Normal		High		
		LOT B1117L		LOT B1117N		LOT B1117H		
		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 ⁹ /μL	1.9 ± 0.5 × 10 ⁹ /L	7.5 ± 1.0 × 10 ⁹ /μL	7.5 ± 1.0 × 10 ⁹ /L	19.7 ± 2.5 × 10 ⁹ /μL	19.7 ± 2.5 × 10 ⁹ /L	
	RBC	2.42 ± 0.18 × 10 ⁶ /μL	2.42 ± 0.18 × 10 ¹² /L	4.74 ± 0.24 × 10 ⁶ /μL	4.74 ± 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	18.8 ± 0.8 g/dL	188 ± 8 g/L	
	HCT	18.5 ± 1.5 %	18.5 ± 1.5 %	39.6 ± 2.0 %	39.6 ± 2.0 %	53.2 ± 2.4 %	53.2 ± 2.4 %	
	MCV	76.5 ± 5.0 fL	76.5 ± 5.0 fL	83.5 ± 5.0 fL	83.5 ± 5.0 fL	91.5 ± 5.0 fL	91.5 ± 5.0 fL	
	MCH	24.8 ± 2.5 pg	24.8 ± 2.5 pg	28.7 ± 2.5 pg	28.7 ± 2.5 pg	32.4 ± 2.5 pg	32.4 ± 2.5 pg	
	MCHC	32.4 ± 3.0 g/dL	324 ± 30 g/L	34.4 ± 3.0 g/dL	344 ± 30 g/L	35.4 ± 3.0 g/dL	354 ± 30 g/L	
	RDW	14.8 ± 3.0 %	14.8 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %	13.0 ± 3.0 %	13.0 ± 3.0 %	
	PLT	64 ± 20 × 10 ³ /μL	64 ± 20 × 10 ⁹ /L	258 ± 40 × 10 ³ /μL	258 ± 40 × 10 ⁹ /L	513 ± 60 × 10 ³ /μL	513 ± 60 × 10 ⁹ /L	
	MPV	7.6 ± 3.0 fL	7.6 ± 3.0 fL	8.2 ± 3.0 fL	8.2 ± 3.0 fL	8.0 ± 3.0 fL	8.0 ± 3.0 fL	
	Lymph	56.1 ± 12.0 %	56.1 ± 12.0 %	30.8 ± 8.0 %	30.8 ± 8.0 %	13.1 ± 8.0 %	13.1 ± 8.0 %	
	Mid	9.4 ± 9.0 %	9.4 ± 9.0 %	6.2 ± 6.0 %	6.2 ± 6.0 %	5.1 ± 5.0 %	5.1 ± 5.0 %	
	Gran	34.5 ± 9.0 %	34.5 ± 9.0 %	63.0 ± 8.0 %	63.0 ± 8.0 %	81.8 ± 9.0 %	81.8 ± 9.0 %	
	Lymph#	1.1 ± 0.3 × 10 ³ /μL	1.1 ± 0.3 × 10 ⁹ /L	2.3 ± 0.6 × 10 ³ /μL	2.3 ± 0.6 × 10 ⁹ /L	2.6 ± 1.6 × 10 ³ /μL	2.6 ± 1.6 × 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	1.0 ± 1.0 × 10 ³ /μL	1.0 ± 1.0 × 10 ⁹ /L	
	Gran#	0.7 ± 0.2 × 10 ³ /μL	0.7 ± 0.2 × 10 ⁹ /L	4.7 ± 0.6 × 10 ³ /μL	4.7 ± 0.6 × 10 ⁹ /L	16.1 ± 1.8 × 10 ³ /μL	16.1 ± 1.8 × 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 ⁹ /μL	1.9 ± 0.5 × 10 ⁹ /L	7.7 ± 1.0 × 10 ⁹ /μL	7.7 ± 1.0 × 10 ⁹ /L	20.1 ± 2.5 × 10 ⁹ /μL	20.1 ± 2.5 × 10 ⁹ /L
		RBC	2.44 ± 0.18 × 10 ⁶ /μL	2.44 ± 0.18 × 10 ¹² /L	4.78 ± 0.24 × 10 ⁶ /μL	4.78 ± 0.24 × 10 ¹² /L	5.86 ± 0.30 × 10 ⁶ /μL	5.86 ± 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	18.6 ± 0.8 g/dL	186 ± 8 g/L
HCT		18.7 ± 1.5 %	18.7 ± 1.5 %	40.2 ± 2.0 %	40.2 ± 2.0 %	53.9 ± 2.4 %	53.9 ± 2.4 %	
MCV		76.5 ± 5.0 fL	76.5 ± 5.0 fL	84.0 ± 5.0 fL	84.0 ± 5.0 fL	92.0 ± 5.0 fL	92.0 ± 5.0 fL	
MCH		25.4 ± 2.5 pg	25.4 ± 2.5 pg	28.5 ± 2.5 pg	28.5 ± 2.5 pg	31.7 ± 2.5 pg	31.7 ± 2.5 pg	
MCHC		33.2 ± 3.0 g/dL	332 ± 30 g/L	33.9 ± 3.0 g/dL	339 ± 30 g/L	34.5 ± 3.0 g/dL	345 ± 30 g/L	
RDW-CV		16.0 ± 3.0 %	16.0 ± 3.0 %	15.5 ± 3.0 %	15.5 ± 3.0 %	14.5 ± 3.0 %	14.5 ± 3.0 %	
RDW-SD		34.5 ± 8.0 fL	34.5 ± 8.0 fL	41.5 ± 8.0 fL	41.5 ± 8.0 fL	42.5 ± 8.0 fL	42.5 ± 8.0 fL	
PLT		65 ± 20 × 10 ³ /μL	65 ± 20 × 10 ⁹ /L	262 ± 40 × 10 ³ /μL	262 ± 40 × 10 ⁹ /L	534 ± 60 × 10 ³ /μL	534 ± 60 × 10 ⁹ /L	
MPV		8.7 ± 3.0 fL	8.7 ± 3.0 fL	9.4 ± 3.0 fL	9.4 ± 3.0 fL	9.3 ± 3.0 fL	9.3 ± 3.0 fL	
*PCT		0.050 ± 0.050 %	0.050 ± 0.050 %	0.240 ± 0.100 %	0.240 ± 0.100 %	0.480 ± 0.200 %	0.480 ± 0.200 %	
*PDW		15.4 ± 3.0	15.4 ± 3.0	15.7 ± 3.0	15.7 ± 3.0	15.7 ± 3.0	15.7 ± 3.0	
*P-LCC		20 ± 10 × 10 ³ /μL	20 ± 10 × 10 ⁹ /L	92 ± 22 × 10 ³ /μL	92 ± 22 × 10 ⁹ /L	165 ± 30 × 10 ³ /μL	165 ± 30 × 10 ⁹ /L	
*P-LCR		30.0 ± 9.0 %	30.0 ± 9.0 %	34.5 ± 9.0 %	34.5 ± 9.0 %	31.0 ± 9.0 %	31.0 ± 9.0 %	
Lymph		57.6 ± 9.0 %	57.6 ± 9.0 %	30.4 ± 8.0 %	30.4 ± 8.0 %	12.8 ± 8.0 %	12.8 ± 8.0 %	
Mid		11.5 ± 8.0 %	11.5 ± 8.0 %	7.6 ± 6.0 %	7.6 ± 6.0 %	6.2 ± 6.0 %	6.2 ± 6.0 %	
Gran		30.9 ± 8.0 %	30.9 ± 8.0 %	62.0 ± 8.0 %	62.0 ± 8.0 %	81.0 ± 9.0 %	81.0 ± 9.0 %	
Lymph#		1.1 ± 0.2 × 10 ³ /μL	1.1 ± 0.2 × 10 ⁹ /L	2.3 ± 0.7 × 10 ³ /μL	2.3 ± 0.7 × 10 ⁹ /L	2.6 ± 1.7 × 10 ³ /μL	2.6 ± 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	1.2 ± 1.2 × 10 ³ /μL	1.2 ± 1.2 × 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	16.3 ± 1.9 × 10 ³ /μL	16.3 ± 1.9 × 10 ⁹ /L		

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

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.
Mindray Building, Keji 12th Road South, Hi-tech Industrial Park, Nanshan, ShenZhen 518057, P.R.China
Tel: +86 755 26582479 26582888
Fax: +86 755 26582934 26582500

U.S.Headquarters:
Mindray North America
800 Macarthur Blvd., Mahwah, NJ 07430-0619,USA
Tel: (1-800) 288 2121

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B1117



2018-02-05

Instrument	Parameter	Low		Normal		High	
		LOT B1117L		LOT B1117N		LOT B1117H	
		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 ³ /μL	2.0 ± 0.5 × 10 ⁹ /L	8.0 ± 1.0 × 10 ³ /μL	8.0 ± 1.0 × 10 ⁹ /L	21.3 ± 2.5 × 10 ³ /μL	21.3 ± 2.5 × 10 ⁹ /L
	RBC	2.41 ± 0.18 × 10 ⁶ /μL	2.41 ± 0.18 × 10 ¹² /L	4.69 ± 0.24 × 10 ⁶ /μL	4.69 ± 0.24 × 10 ¹² /L	5.72 ± 0.30 × 10 ⁶ /μL	5.72 ± 0.30 × 10 ¹² /L
	HGB	6.1 ± 0.4 g/dL	61 ± 4 g/L	13.6 ± 0.6 g/dL	136 ± 6 g/L	18.6 ± 0.8 g/dL	186 ± 8 g/L
	HCT	18.4 ± 1.5 %	18.4 ± 1.5 %	40.3 ± 2.0 %	40.3 ± 2.0 %	54.9 ± 2.4 %	54.9 ± 2.4 %
	MCV	76.5 ± 5.0 fL	76.5 ± 5.0 fL	86.0 ± 5.0 fL	86.0 ± 5.0 fL	96.0 ± 5.0 fL	96.0 ± 5.0 fL
	MCH	25.3 ± 2.5 pg	25.3 ± 2.5 pg	29.0 ± 2.5 pg	29.0 ± 2.5 pg	32.5 ± 2.5 pg	32.5 ± 2.5 pg
	MCHC	33.1 ± 3.0 g/dL	331 ± 30 g/L	33.7 ± 3.0 g/dL	337 ± 30 g/L	33.9 ± 3.0 g/dL	339 ± 30 g/L
	*RDW	14.4 ± 3.0 %	14.4 ± 3.0 %	13.9 ± 3.0 %	13.9 ± 3.0 %	13.0 ± 3.0 %	13.0 ± 3.0 %
	PLT	76 ± 20 × 10 ³ /μL	76 ± 20 × 10 ⁹ /L	255 ± 40 × 10 ³ /μL	255 ± 40 × 10 ⁹ /L	504 ± 60 × 10 ³ /μL	504 ± 60 × 10 ⁹ /L
	*MPV	8.4 ± 3.0 fL	8.4 ± 3.0 fL	8.1 ± 3.0 fL	8.1 ± 3.0 fL	7.8 ± 3.0 fL	7.8 ± 3.0 fL
	Lymph	53.5 ± 12.0 %	53.5 ± 12.0 %	29.4 ± 8.0 %	29.4 ± 8.0 %	12.4 ± 6.0 %	12.4 ± 6.0 %
	*Mid	13.5 ± 9.0 %	13.5 ± 9.0 %	7.1 ± 7.0 %	7.1 ± 7.0 %	5.9 ± 5.0 %	5.9 ± 5.0 %
	Gran	33.0 ± 10.0 %	33.0 ± 10.0 %	63.5 ± 8.0 %	63.5 ± 8.0 %	81.7 ± 8.0 %	81.7 ± 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	2.6 ± 1.3 × 10 ³ /μL	2.6 ± 1.3 × 10 ⁹ /L
	*Mid#	0.3 ± 0.2 × 10 ³ /μL	0.3 ± 0.2 × 10 ⁹ /L	0.6 ± 0.6 × 10 ³ /μL	0.6 ± 0.6 × 10 ⁹ /L	1.3 ± 1.2 × 10 ³ /μL	1.3 ± 1.2 × 10 ⁹ /L
	Gran#	0.7 ± 0.3 × 10 ³ /μL	0.7 ± 0.3 × 10 ⁹ /L	5.1 ± 0.7 × 10 ³ /μL	5.1 ± 0.7 × 10 ⁹ /L	17.4 ± 1.8 × 10 ³ /μL	17.4 ± 1.8 × 10 ⁹ /L

* For new software version 01.07.00 or greater.

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

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.
 Mindray Building, Keji 12th Road South, Hi-tech Industrial Park, Nanshan, ShenZhen 518057, P.R.China
 Tel: +86 755 26582479 26582888
 Fax: +86 755 26582934 26582500

U.S.Headquarters:
 Mindray North America
 800 Macarthur Blvd., Mahwah, NJ 07430-0619,USA
 Tel: (1-800) 288 2121