

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B0524



2024-08-05

Instrument	Parameter	Low		Normal		High	
		LOT	B0524L	LOT	B0524N	LOT	B0524H
		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	7.6 ± 1.0 × 10 ³ /μL	7.6 ± 1.0 × 10 ⁹ /L	20.5 ± 2.5 × 10 ³ /μL	20.5 ± 2.5 × 10 ⁹ /L
	RBC	2.28 ± 0.18 × 10 ⁶ /μL	2.28 ± 0.18 × 10 ¹² /L	4.57 ± 0.24 × 10 ⁶ /μL	4.57 ± 0.24 × 10 ¹² /L	5.81 ± 0.30 × 10 ⁶ /μL	5.81 ± 0.30 × 10 ¹² /L
	HGB	5.9 ± 0.4 g/dL	59 ± 4 g/L	13.7 ± 0.6 g/dL	137 ± 6 g/L	19.1 ± 0.8 g/dL	191 ± 8 g/L
	HCT	17.7 ± 1.5 %	17.7 ± 1.5 %	39.8 ± 2.0 %	39.8 ± 2.0 %	54.6 ± 2.4 %	54.6 ± 2.4 %
	MCV	77.5 ± 5.0 fL	77.5 ± 5.0 fL	87.0 ± 5.0 fL	87.0 ± 5.0 fL	94.0 ± 5.0 fL	94.0 ± 5.0 fL
	MCH	25.9 ± 2.5 pg	25.9 ± 2.5 pg	30.0 ± 2.5 pg	30.0 ± 2.5 pg	32.9 ± 2.5 pg	32.9 ± 2.5 pg
	MCHC	33.4 ± 3.0 g/dL	334 ± 30 g/L	34.5 ± 3.0 g/dL	345 ± 30 g/L	35.0 ± 3.0 g/dL	350 ± 30 g/L
	RDW	15.0 ± 3.0 %	15.0 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %	14.0 ± 3.0 %
	PLT	65 ± 20 × 10 ³ /μL	65 ± 20 × 10 ⁹ /L	252 ± 40 × 10 ³ /μL	252 ± 40 × 10 ⁹ /L	522 ± 60 × 10 ³ /μL	522 ± 60 × 10 ⁹ /L
	MPV	7.5 ± 3.0 fL	7.5 ± 3.0 fL	7.2 ± 3.0 fL	7.2 ± 3.0 fL	7.5 ± 3.0 fL	7.5 ± 3.0 fL
	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	7.5 ± 6.0 %	7.5 ± 6.0 %	6.0 ± 5.0 %	6.0 ± 5.0 %	4.5 ± 4.0 %	4.5 ± 4.0 %
	Gran	34.0 ± 9.0 %	34.0 ± 9.0 %	62.5 ± 8.0 %	62.5 ± 8.0 %	81.5 ± 9.0 %	81.5 ± 9.0 %
	Lymph#	1.2 ± 0.2 × 10 ³ /μL	1.2 ± 0.2 × 10 ⁹ /L	2.4 ± 0.6 × 10 ³ /μL	2.4 ± 0.6 × 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 ± 0.8 × 10 ³ /μL	0.9 ± 0.8 × 10 ⁹ /L
	Gran#	0.7 ± 0.2 × 10 ³ /μL	0.7 ± 0.2 × 10 ⁹ /L	4.8 ± 0.7 × 10 ³ /μL	4.8 ± 0.7 × 10 ⁹ /L	16.7 ± 1.9 × 10 ³ /μL	16.7 ± 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	7.7 ± 1.0 × 10 ³ /μL	7.7 ± 1.0 × 10 ⁹ /L	20.8 ± 2.5 × 10 ³ /μL
RBC		2.37 ± 0.18 × 10 ⁶ /μL	2.37 ± 0.18 × 10 ¹² /L	4.71 ± 0.24 × 10 ⁶ /μL	4.71 ± 0.24 × 10 ¹² /L	5.95 ± 0.30 × 10 ⁶ /μL	5.95 ± 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	18.9 ± 0.8 g/dL	189 ± 8 g/L
HCT		18.2 ± 1.5 %	18.2 ± 1.5 %	40.5 ± 2.0 %	40.5 ± 2.0 %	55.5 ± 2.4 %	55.5 ± 2.4 %
MCV		76.8 ± 5.0 fL	76.8 ± 5.0 fL	86.0 ± 5.0 fL	86.0 ± 5.0 fL	93.2 ± 5.0 fL	93.2 ± 5.0 fL
MCH		25.7 ± 2.5 pg	25.7 ± 2.5 pg	28.9 ± 2.5 pg	28.9 ± 2.5 pg	31.8 ± 2.5 pg	31.8 ± 2.5 pg
MCHC		33.5 ± 3.0 g/dL	335 ± 30 g/L	33.6 ± 3.0 g/dL	336 ± 30 g/L	34.1 ± 3.0 g/dL	341 ± 30 g/L
RDW-CV		17.1 ± 3.0 %	17.1 ± 3.0 %	14.8 ± 3.0 %	14.8 ± 3.0 %	14.5 ± 3.0 %	14.5 ± 3.0 %
RDW-SD		39.5 ± 8.0 fL	39.5 ± 8.0 fL	40.3 ± 8.0 fL	40.3 ± 8.0 fL	46.4 ± 8.0 fL	46.4 ± 8.0 fL
PLT		68 ± 20 × 10 ³ /μL	68 ± 20 × 10 ⁹ /L	257 ± 40 × 10 ³ /μL	257 ± 40 × 10 ⁹ /L	516 ± 60 × 10 ³ /μL	516 ± 60 × 10 ⁹ /L
MPV		8.6 ± 3.0 fL	8.6 ± 3.0 fL	8.6 ± 3.0 fL	8.6 ± 3.0 fL	8.6 ± 3.0 fL	8.6 ± 3.0 fL
*PCT		0.058 ± 0.050 %	0.058 ± 0.050 %	0.221 ± 0.100 %	0.221 ± 0.100 %	0.444 ± 0.200 %	0.444 ± 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		19 ± 10 × 10 ³ /μL	19 ± 10 × 10 ⁹ /L	68 ± 22 × 10 ³ /μL	68 ± 22 × 10 ⁹ /L	133 ± 30 × 10 ³ /μL	133 ± 30 × 10 ⁹ /L
*P-LCR		27.8 ± 9.0 %	27.8 ± 9.0 %	26.4 ± 9.0 %	26.4 ± 9.0 %	25.7 ± 9.0 %	25.7 ± 9.0 %
Lymph		58.8 ± 9.0 %	58.8 ± 9.0 %	32.5 ± 8.0 %	32.5 ± 8.0 %	13.5 ± 8.0 %	13.5 ± 8.0 %
Mid		9.4 ± 9.4 %	9.4 ± 9.4 %	6.2 ± 6.2 %	6.2 ± 6.2 %	5.3 ± 5.3 %	5.3 ± 5.3 %
Gran	31.8 ± 10.0 %	31.8 ± 10.0 %	61.3 ± 8.0 %	61.3 ± 8.0 %	81.2 ± 9.0 %	81.2 ± 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	2.8 ± 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 ± 0.5 × 10 ³ /μL	0.5 ± 0.5 × 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	16.9 ± 1.9 × 10 ³ /μL	16.9 ± 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

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ASSAY VALUES AND EXPECTED RANGES

LOT B0524



2024-08-05

Instrument	Parameter	Low		Normal		High	
		LOT B0524L	LOT B0524L	LOT B0524N	LOT B0524N	LOT B0524H	LOT B0524H
		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 ⁹ /μL	2.2 ± 0.5 × 10 ⁹ /L	8.3 ± 1.0 × 10 ⁹ /μL	8.3 ± 1.0 × 10 ⁹ /L	22.1 ± 2.5 × 10 ⁹ /μL	22.1 ± 2.5 × 10 ⁹ /L
	RBC	2.30 ± 0.18 × 10 ⁶ /μL	2.30 ± 0.18 × 10 ¹² /L	4.58 ± 0.24 × 10 ⁶ /μL	4.58 ± 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	13.7 ± 0.6 g/dL	137 ± 6 g/L	18.9 ± 0.8 g/dL	189 ± 8 g/L
	HCT	17.7 ± 1.5 %	17.7 ± 1.5 %	40.3 ± 2.0 %	40.3 ± 2.0 %	55.6 ± 2.4 %	55.6 ± 2.4 %
	MCV	77.1 ± 5.0 fL	77.1 ± 5.0 fL	88.0 ± 5.0 fL	88.0 ± 5.0 fL	95.9 ± 5.0 fL	95.9 ± 5.0 fL
	MCH	26.1 ± 2.5 pg	26.1 ± 2.5 pg	29.9 ± 2.5 pg	29.9 ± 2.5 pg	32.6 ± 2.5 pg	32.6 ± 2.5 pg
	MCHC	33.8 ± 3.0 g/dL	338 ± 30 g/L	34.0 ± 3.0 g/dL	340 ± 30 g/L	34.0 ± 3.0 g/dL	340 ± 30 g/L
	*RDW	15.5 ± 3.0 %	15.5 ± 3.0 %	14.6 ± 3.0 %	14.6 ± 3.0 %	13.7 ± 3.0 %	13.7 ± 3.0 %
	PLT	77 ± 20 × 10 ³ /μL	77 ± 20 × 10 ⁹ /L	255 ± 40 × 10 ³ /μL	255 ± 40 × 10 ⁹ /L	503 ± 60 × 10 ³ /μL	503 ± 60 × 10 ⁹ /L
	*MPV	8.2 ± 3.0 fL	8.2 ± 3.0 fL	7.4 ± 3.0 fL	7.4 ± 3.0 fL	7.4 ± 3.0 fL	7.4 ± 3.0 fL
	Lymph	49.5 ± 12.0 %	49.5 ± 12.0 %	28.0 ± 8.0 %	28.0 ± 8.0 %	14.0 ± 7.0 %	14.0 ± 7.0 %
	*Mid	15.5 ± 10.0 %	15.5 ± 10.0 %	9.0 ± 7.0 %	9.0 ± 7.0 %	7.5 ± 6.0 %	7.5 ± 6.0 %
	Gran	35.0 ± 9.0 %	35.0 ± 9.0 %	63.0 ± 8.0 %	63.0 ± 8.0 %	78.5 ± 10.0 %	78.5 ± 10.0 %
	Lymph#	1.1 ± 0.3 × 10 ³ /μL	1.1 ± 0.3 × 10 ⁹ /L	2.3 ± 0.7 × 10 ³ /μL	2.3 ± 0.7 × 10 ⁹ /L	3.1 ± 1.6 × 10 ³ /μL	3.1 ± 1.6 × 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	1.7 ± 1.4 × 10 ³ /μL	1.7 ± 1.4 × 10 ⁹ /L
	Gran#	0.8 ± 0.2 × 10 ³ /μL	0.8 ± 0.2 × 10 ⁹ /L	5.2 ± 0.7 × 10 ³ /μL	5.2 ± 0.7 × 10 ⁹ /L	17.3 ± 2.2 × 10 ³ /μL	17.3 ± 2.2 × 10 ⁹ /L

* For new software version 01.07.00 or greater.

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