BC-3D

HEMATOLOGY CONTROLS

CONTROL

LOT **B1118**

2019-02-05

ASSAY VALUES AND EXPECTED RANGES

Instrument	Parameter	Low LOT B1118L	Normal LOT B1118N	High LOT B1118H
BC-3200, BC-3000CT	WBC × 10^3/µL	2.1 ± 0.5	8.2 ± 1.0	21.9 ± 2.5
	RBC × 10^6/µL	2.41 ± 0.18	4.68 ± 0.24	5.82 ± 0.30
	HGB g/dL	6.1 ± 0.4	13.7 ± 0.6	19.0 ± 0.8
	HCT %	18.3 ± 1.5	40.5 ± 2.0	55.9 ± 2.4
	MCV fL	76.0 ± 5.0	86.5 ± 5.0	96.0 ± 5.0
	MCH pg	25.3 ± 2.5	29.3 ± 2.5	32.6 ± 2.5
	MCHC g/dL	33.3 ± 3.0	33.8 ± 3.0	34.0 ± 3.0
	RDW-CV	14.5 ± 3.0	13.5 ± 3.0	13.0 ± 3.0
	RDW-SD	35.5 ± 6.0	38.5 ± 6.0	41.0 ± 8.0
	PLT × 10^3/µL	82 ± 20	259 ± 40	500 ± 60
	MPV fL	8.5 ± 3.0	7.9 ± 3.0	7.9 ± 3.0
	Lymph %	6.0 ± 12.0	32.0 ± 8.0	13.0 ± 6.0
	Mid %	9.0 ± 8.0	7.0 ± 6.0	7.0 ± 6.0
	Gran %	31.0 ± 10.0	61.0 ± 8.0	80.0 ± 8.0
	Lymph × 10^3/µL	1.3 ± 0.3	2.6 ± 0.7	2.8 ± 1.3
	Mid × 10^3/µL	0.2 ± 0.2	0.6 ± 0.6	1.5 ± 1.3
	Gran × 10^3/µL	0.7 ± 0.3	5.0 ± 0.7	17.5 ± 1.8
BC-3000 Plus, BC-2900, BC-1800	WBC × 10^3/µL	2.1 ± 0.5	8.0 ± 1.0	20.5 ± 2.5
	RBC × 10^6/µL	2.44 ± 0.18	4.72 ± 0.24	5.77 ± 0.30
	HGB g/dL	6.1 ± 0.4	13.7 ± 0.6	18.8 ± 0.8
	HCT %	18.9 ± 1.5	40.8 ± 2.0	56.0 ± 2.4
	MCV fL	77.5 ± 5.0	86.5 ± 5.0	97.0 ± 5.0
	MCH pg	25.0 ± 2.5	29.0 ± 2.5	32.6 ± 2.5
	MCHC g/dL	32.3 ± 3.0	33.6 ± 3.0	33.6 ± 3.0
	RDW-CV	16.0 ± 3.0	15.0 ± 3.0	14.5 ± 3.0
	RDW-SD	36.5 ± 6.0	39.0 ± 6.0	42.5 ± 8.0
	PLT × 10^3/µL	80 ± 20	260 ± 40	490 ± 60
	MPV fL	9.0 ± 3.0	8.4 ± 3.0	8.8 ± 3.0
	PCT % *	0.060 ± 0.050	0.230 ± 0.100	0.510 ± 0.200
	PDW *	16.5 ± 3.0	16.5 ± 3.0	16.5 ± 3.0
	Lymph %	57.5 ± 12.0	31.0 ± 8.0	13.0 ± 6.0
	Mid %	9.0 ± 8.0	8.0 ± 7.0	6.0 ± 6.0
	Gran %	33.5 ± 10.0	61.0 ± 8.0	81.0 ± 8.0
	Lymph × 10^3/µL	1.2 ± 0.3	2.5 ± 0.7	2.7 ± 1.3
	Mid × 10^3/µL	0.2 ± 0.2	0.6 ± 0.6	1.2 ± 1.2
	Gran × 10^3/µL	0.7 ± 0.3	4.9 ± 0.7	16.6 ± 1.7

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BC-2800, BC-2600	WBC × 10^3/µL	2.0 ± 0.5	7.9 ± 1.0	20.8 ± 2.5	
(Software version 2.0 or higher)	RBC × 10^6/µL	2.35 ± 0.18	4.60 ± 0.24	5.65 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.7 ± 0.6	19.0 ± 0.8	
	HCT %	17.6 ± 1.5	38.9 ± 2.0	53.1 ± 2.4	
	MCV fL	75.0 ± 5.0	84.5 ± 5.0	94.0 ± 5.0	
	MCH pg	26.0 ± 2.5	29.8 ± 2.5	33.6 ± 2.5	
	MCHC g/dL	34.6 ± 3.0	35.2 ± 3.0	35.8 ± 3.0	
	RDW-CV	16.0 ± 3.0	15.5 ± 3.0	15.0 ± 3.0	
	RDW-SD	40.0 ± 6.0	44.5 ± 6.0	47.5 ± 8.0	
	PLT × 10^3/µL	75 ± 20	254 ± 40	483 ± 60	
	MPV fL	10.1 ± 3.0	10.0 ± 3.0	10.0 ± 3.0	
	PCT % *	0.080 ± 0.050	0.260 ± 0.100	0.480 ± 0.200	
	PDW *	15.2 ± 3.0	15.1 ± 3.0	15.0 ± 3.0	
	Lymph %	62.0 ± 12.0	33.0 ± 8.0	15.0 ± 7.0	
	Mid %	5.5 ± 5.0	5.5 ± 5.0	4.0 ± 4.0	
	Gran %	32.5 ± 10.0	61.5 ± 9.0	81.0 ± 8.0	
	Lymph × 10^3/µL	1.2 ± 0.3	2.6 ± 0.7	3.1 ± 1.5	
	Mid × 10^3/µL	0.1 ± 0.1	0.4 ± 0.4	0.8 ± 0.8	
	Gran × 10^3/µL	0.7 ± 0.3	4.9 ± 0.8	16.8 ± 1.7	
BC-2300, BC-2100	WBC × 10^3/µL	2.0 ± 0.5	8.0 ± 1.0	21.5 ± 2.5	
	RBC × 10^6/µL	2.34 ± 0.18	4.56 ± 0.24	5.62 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.5 ± 0.6	18.4 ± 0.8	
	HCT %	17.2 ± 1.5	37.8 ± 2.0	51.7 ± 2.4	
	MCV fL	73.5 ± 5.0	83.0 ± 5.0	92.0 ± 5.0	
	MCH pg	26.1 ± 2.5	29.6 ± 2.5	32.7 ± 2.5	
	MCHC g/dL	35.5 ± 3.0	35.7 ± 3.0	35.6 ± 3.0	
	RDW-CV	14.5 ± 3.0	14.0 ± 3.0	13.0 ± 3.0	
	RDW-SD	33.0 ± 8.0	36.5 ± 8.0	39.0 ± 8.0	
	PLT × 10^3/µL	63 ± 20	256 ± 40	544 ± 60	
	MPV fL	10.5 ± 3.0	10.5 ± 3.0	10.6 ± 3.0	
	PCT % *	0.070 ± 0.050	0.270 ± 0.100	0.580 ± 0.200	
	PDW *	15.3 ± 3.0	15.2 ± 3.0	15.1 ± 3.0	
	Lymph %	60.5 ± 12.0	33.0 ± 8.0	14.5 ± 7.0	
	Mid %	8.0 ± 7.0	6.5 ± 6.0	7.0 ± 6.0	
	Gran %	31.5 ± 10.0	60.5 ± 9.0	78.5 ± 8.0	
	Lymph × 10^3/µL	1.2 ± 0.3	2.6 ± 0.7	3.1 ± 1.5	
	Mid × 10^3/µL	0.2 ± 0.2	0.5 ± 0.5	1.5 ± 1.3	
	Gran × 10^3/µL	0.6 ± 0.2	4.8 ± 0.8	16.9 ± 1.8	

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BC-20s, BC-21s	WBC × 10^3/µL	2.1 ± 0.5	7.7 ± 1.0	20.7 ± 2.5	
BC-30s, BC-31s	RBC × 10^6/µL	2.36 ± 0.18	4.55 ± 0.24	5.62 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.8 ± 0.6	18.9 ± 0.8	
	HCT %	18.2 ± 1.5	38.9 ± 2.0	52.8 ± 2.4	
	MCV fL	77.0 ± 5.0	85.5 ± 5.0	94.0 ± 5.0	
	MCH pg	26.3 ± 2.5	30.3 ± 2.5	33.6 ± 2.5	
	MCHC g/dL	34.1 ± 3.0	35.5 ± 3.0	35.8 ± 3.0	
	RDW-CV	16.5 ± 3.0	15.5 ± 3.0	14.5 ± 3.0	
	RDW-SD	35.8 ± 8.0	39.5 ± 8.0	46.0 ± 8.0	
	PLT × 10^3/µL	70 ± 20	265 ± 40	535 ± 60	
	MPV fL	9.0 ± 3.0	9.8 ± 3.0	9.8 ± 3.0	
	PCT % *	0.060 ± 0.050	0.250 ± 0.100	0.520 ± 0.200	
	PDW *	17.0 ± 3.0	16.8 ± 3.0	16.7 ± 3.0	
	P-LCC	23 ± 10	78 ± 22	150 ± 30	
	P-LCR	32.0 ± 9.0	29.0 ± 9.0	28.0 ± 9.0	
	Lymph %	65.0 ± 9.0	34.0 ± 8.0	13.5 ± 8.0	
	Mid %	5.0 ± 5.0	6.5 ± 6.0	5.5 ± 5.0	
	Gran %	30.0 ± 8.0	59.5 ± 8.0	81.0 ± 9.0	
	Lymph × 10^3/µL	1.4 ± 0.2	2.6 ± 0.7	2.8 ± 1.7	
	Mid × 10^3/µL	0.1 ± 0.1	0.5 ± 0.5	1.1 ± 1.1	
	Gran × 10^3/µL	0.6 ± 0.2	4.6 ± 0.7	16.8 ± 1.9	
BC-3600, BC-3300	WBC × 10^3/µL	2.0 ± 0.5	7.8 ± 1.0	20.8 ± 2.5	
	RBC × 10^6/µL	2.47 ± 0.18	4.80 ± 0.24	5.88 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.6 ± 0.6	18.8 ± 0.8	
	HCT %	18.8 ± 1.5	40.3 ± 2.0	54.7 ± 2.4	
	MCV fL	76.0 ± 5.0	84.0 ± 5.0	93.0 ± 5.0	
	MCH pg	25.1 ± 2.5	28.3 ± 2.5	32.0 ± 2.5	
	MCHC g/dL	33.0 ± 3.0	33.7 ± 3.0	34.4 ± 3.0	
	RDW-CV	16.0 ± 3.0	15.0 ± 3.0	14.5 ± 3.0	
	RDW-SD	35.0 ± 8.0	39.0 ± 8.0	43.0 ± 8.0	
	PLT × 10^3/µL	70 ± 20	265 ± 40	532 ± 60	
	MPV fL	9.3 ± 3.0	9.5 ± 3.0	9.5 ± 3.0	
	PCT % *	0.060 ± 0.050	0.250 ± 0.100	0.500 ± 0.200	
	PDW *	15.3 ± 3.0	15.7 ± 3.0	15.9 ± 3.0	
	P-LCC	25 ± 10	90 ± 22	180 ± 30	
	P-LCR	35.0 ± 9.0	34.0 ± 9.0	34.0 ± 9.0	
	Lymph %	58.5 ± 9.0	31.5 ± 8.0	14.0 ± 8.0	
	Mid %	10.5 ± 8.0	8.0 ± 7.0	5.5 ± 5.0	
	Gran %	31.0 ± 8.0	60.5 ± 8.0	80.5 ± 9.0	
	Lymph × 10^3/µL	1.2 ± 0.2	2.5 ± 0.7	2.9 ± 1.7	
	Mid × 10^3/µL	0.2 ± 0.2	0.6 ± 0.6	1.1 ± 1.1	
	Gran × 10^3/µL	0.6 ± 0.2	4.7 ± 0.7	16.7 ± 1.9	

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Instrument	Parameter	Low LOT B1118L	Normal LOT B1118N	High LOT B1118H	++++
BC-2800Vet, BC-2600Vet	WBC × 10^3/μL	2.0 ± 0.5	7.9 ± 1.0	20.8 ± 2.5	
(Software version 2.0 or higher)	RBC × 10^6/μL	2.35 ± 0.18	4.60 ± 0.24	5.65 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.7 ± 0.6	19.0 ± 0.8	
	HCT %	17.6 ± 1.5	38.9 ± 2.0	53.1 ± 2.4	
	MCV fL	75.0 ± 5.0	84.5 ± 5.0	94.0 ± 5.0	
	MCH pg	26.0 ± 2.5	29.8 ± 2.5	33.6 ± 2.5	
	MCHC g/dL	34.6 ± 3.0	35.2 ± 3.0	35.8 ± 3.0	
	PLT × 10^3/μL	75 ± 20	254 ± 40	483 ± 60	

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Mindray

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