BC-3D

HEMATOLOGY CONTROLS

CONTROL

LOT B0519

2019-08-05

ASSAY VALUES AND EXPECTED RANGES

Instrument	Parameter	Low LOT B0519L	Normal LOT B0519N	High LOT B0519H
BC-3200, BC-3000CT	WBC × 10^3/µL	2.0 ± 0.5	8.3 ± 1.0	22.0 ± 2.5
	RBC × 10^6/µL	2.36 ± 0.18	4.74 ± 0.24	5.78 ± 0.30
	HGB g/dL	5.9 ± 0.4	13.7 ± 0.6	18.8 ± 0.8
	HCT %	17.7 ± 1.5	40.8 ± 2.0	55.5 ± 2.4
	MCV fL	75.0 ± 5.0	86.0 ± 5.0	96.0 ± 5.0
	MCH pg	25.0 ± 2.5	28.9 ± 2.5	32.5 ± 2.5
	MCHC g/dL	33.3 ± 3.0	33.6 ± 3.0	33.9 ± 3.0
	RDW-CV	14.0 ± 3.0	13.5 ± 3.0	13.0 ± 3.0
	RDW-SD	35.0 ± 6.0	39.0 ± 6.0	41.0 ± 8.0
	PLT × 10^3/µL	77 ± 20	254 ± 40	525 ± 60
	MPV fL	8.3 ± 3.0	7.9 ± 3.0	8.0 ± 3.0
	Lymph %	59.5 ± 12.0	29.5 ± 8.0	13.0 ± 6.0
	Mid %	8.5 ± 7.0	8.0 ± 7.0	6.0 ± 5.5
	Gran %	32.0 ± 10.0	62.5 ± 8.0	81.0 ± 8.0
	Lymph × 10^3/µL	1.2 ± 0.3	2.4 ± 0.7	2.9 ± 1.4
	Mid × 10^3/µL	0.2 ± 0.2	0.7 ± 0.7	1.3 ± 1.2
	Gran × 10^3/µL	0.6 ± 0.2	5.2 ± 0.7	17.8 ± 1.8
BC-3000 Plus, BC-2900, BC-1800	WBC × 10^3/µL	2.0 ± 0.5	8.2 ± 1.0	20.9 ± 2.5
	RBC × 10^6/µL	2.40 ± 0.18	4.80 ± 0.24	5.80 ± 0.30
	HGB g/dL	6.0 ± 0.4	13.7 ± 0.6	18.6 ± 0.8
	HCT %	18.4 ± 1.5	41.5 ± 2.0	55.7 ± 2.4
	MCV fL	76.5 ± 5.0	86.5 ± 5.0	96.0 ± 5.0
	MCH pg	25.0 ± 2.5	28.5 ± 2.5	32.1 ± 2.5
	MCHC g/dL	32.7 ± 3.0	33.0 ± 3.0	33.4 ± 3.0
	RDW-CV	16.0 ± 3.0	15.0 ± 3.0	14.5 ± 3.0
	RDW-SD	36.5 ± 6.0	38.5 ± 6.0	41.5 ± 8.0
	PLT × 10^3/µL	78 ± 20	259 ± 40	523 ± 60
	MPV fL	8.9 ± 3.0	8.1 ± 3.0	8.3 ± 3.0
	PCT % *	0.070 ± 0.050	0.210 ± 0.100	0.440 ± 0.200
	PDW *	16.8 ± 3.0	16.4 ± 3.0	16.2 ± 3.0
	Lymph %	58.5 ± 12.0	29.5 ± 8.0	13.5 ± 6.0
	Mid %	10.0 ± 8.0	8.5 ± 7.0	6.0 ± 5.0
	Gran %	31.5 ± 10.0	62.0 ± 8.0	80.5 ± 8.0
	Lymph × 10^3/µL	1.2 ± 0.3	2.4 ± 0.7	2.8 ± 1.3
	Mid × 10^3/µL	0.2 ± 0.2	0.7 ± 0.6	1.3 ± 1.1
	Gran × 10^3/µL	0.6 ± 0.2	5.1 ± 0.7	16.8 ± 1.7

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BC-2800, BC-2600	WBC × 10^3/µL	1.9 ± 0.5	8.1 ± 1.0	20.8 ± 2.5	
(Software version 2.0 or higher)	RBC × 10^6/µL	2.26 ± 0.18	4.61 ± 0.24	5.63 ± 0.30	
	HGB g/dL	5.9 ± 0.4	13.8 ± 0.6	18.9 ± 0.8	
	HCT %	17.2 ± 1.5	39.4 ± 2.0	53.2 ± 2.4	
	MCV fL	76.0 ± 5.0	85.5 ± 5.0	94.5 ± 5.0	
	MCH pg	26.1 ± 2.5	29.9 ± 2.5	33.6 ± 2.5	
	MCHC g/dL	34.4 ± 3.0	35.0 ± 3.0	35.5 ± 3.0	
	RDW-CV	16.0 ± 3.0	15.5 ± 3.0	15.0 ± 3.0	
	RDW-SD	41.5 ± 6.0	44.5 ± 6.0	47.0 ± 8.0	
	PLT × 10^3/µL	64 ± 20	245 ± 40	535 ± 60	
	MPV fL	10.1 ± 3.0	9.6 ± 3.0	10.0 ± 3.0	
	PCT % *	0.060 ± 0.050	0.230 ± 0.100	0.540 ± 0.200	
	PDW *	14.9 ± 3.0	14.9 ± 3.0	14.9 ± 3.0	
	Lymph %	63.5 ± 12.0	32.0 ± 8.0	15.0 ± 7.0	
	Mid %	6.5 ± 6.0	6.5 ± 6.0	4.0 ± 3.0	
	Gran %	30.0 ± 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	0.5 ± 0.5	0.8 ± 0.6	
	Gran × 10^3/µL	0.6 ± 0.2	5.0 ± 0.8	16.8 ± 1.7	
BC-2300, BC-2100	WBC × 10^3/µL	1.9 ± 0.5	7.9 ± 1.0	20.8 ± 2.5	
	RBC × 10^6/µL	2.30 ± 0.18	4.53 ± 0.24	5.42 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.5 ± 0.6	18.2 ± 0.8	
	HCT %	16.8 ± 1.5	37.8 ± 2.0	50.4 ± 2.4	
	MCV fL	73.0 ± 5.0	83.5 ± 5.0	93.0 ± 5.0	
	MCH pg	26.5 ± 2.5	29.8 ± 2.5	33.6 ± 2.5	
	MCHC g/dL	36.3 ± 3.0	35.7 ± 3.0	36.1 ± 3.0	
	RDW-CV	14.0 ± 3.0	13.5 ± 3.0	13.0 ± 3.0	
	RDW-SD	33.0 ± 8.0	36.0 ± 8.0	37.0 ± 8.0	
	PLT × 10^3/µL	66 ± 20	244 ± 40	555 ± 60	
	MPV fL	10.1 ± 3.0	10.1 ± 3.0	10.6 ± 3.0	
	PCT % *	0.070 ± 0.050	0.250 ± 0.100	0.630 ± 0.200	
	PDW *	15.0 ± 3.0	15.2 ± 3.0	15.1 ± 3.0	
	Lymph %	63.0 ± 12.0	32.0 ± 8.0	15.0 ± 7.0	
	Mid %	6.5 ± 6.0	7.0 ± 6.0	6.0 ± 5.0	
	Gran %	30.5 ± 10.0	61.0 ± 9.0	79.0 ± 8.0	
	Lymph × 10^3/µL	1.2 ± 0.3	2.5 ± 0.7	3.1 ± 1.5	
	Mid × 10^3/µL	0.1 ± 0.1	0.6 ± 0.6	1.2 ± 1.0	
	Gran × 10^3/µL	0.6 ± 0.2	4.8 ± 0.8	16.4 ± 1.7	

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BC-20s, BC-21s	WBC × 10^3/µL	2.0 ± 0.5	7.8 ± 1.0	20.8 ± 2.5	
BC-30, BC-30s, BC-30e,	RBC × 10^6/µL	2.30 ± 0.18	4.57 ± 0.24	5.53 ± 0.30	
BC-31, BC-31s	HGB g/dL	6.1 ± 0.4	13.9 ± 0.6	18.7 ± 0.8	
	HCT %	17.3 ± 1.5	38.8 ± 2.0	52.0 ± 2.4	
	MCV fL	75.0 ± 5.0	85.0 ± 5.0	94.0 ± 5.0	
	MCH pg	26.5 ± 2.5	30.4 ± 2.5	33.8 ± 2.5	
	MCHC g/dL	35.4 ± 3.0	35.8 ± 3.0	36.0 ± 3.0	
	RDW-CV	16.5 ± 3.0	15.5 ± 3.0	14.0 ± 3.0	
	RDW-SD	41.0 ± 8.0	43.0 ± 8.0	44.5 ± 8.0	
	PLT × 10^3/µL	65 ± 20	260 ± 40	560 ± 60	
	MPV fL	8.9 ± 3.0	9.3 ± 3.0	9.7 ± 3.0	
	PCT % *	0.060 ± 0.050	0.230 ± 0.100	0.550 ± 0.200	
	PDW *	17.0 ± 3.0	16.8 ± 3.0	16.7 ± 3.0	
	P-LCC	19 ± 10	65 ± 22	151 ± 30	
	P-LCR	29.0 ± 9.0	25.0 ± 9.0	27.0 ± 9.0	
	Lymph %	65.0 ± 12.0	33.0 ± 8.0	13.0 ± 8.0	
	Mid %	5.0 ± 5.0	6.5 ± 6.0	6.0 ± 5.0	
	Gran %	30.0 ± 10.0	60.5 ± 8.0	81.0 ± 9.0	
	Lymph × 10^3/µL	1.3 ± 0.3	2.6 ± 0.7	2.7 ± 1.7	
	Mid × 10^3/µL	0.1 ± 0.1	0.5 ± 0.5	1.2 ± 1.0	
	Gran × 10^3/µL	0.6 ± 0.2	4.7 ± 0.7	16.8 ± 1.9	
BC-3600, BC-3300	WBC × 10^3/µL	1.9 ± 0.5	8.0 ± 1.0	20.8 ± 2.5	
	RBC × 10^6/µL	2.36 ± 0.18	4.77 ± 0.24	5.76 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.7 ± 0.6	18.5 ± 0.8	
	HCT %	18.1 ± 1.5	40.5 ± 2.0	54.1 ± 2.4	
	MCV fL	76.5 ± 5.0	85.0 ± 5.0	94.0 ± 5.0	
	MCH pg	25.4 ± 2.5	28.7 ± 2.5	32.1 ± 2.5	
	MCHC g/dL	33.2 ± 3.0	33.8 ± 3.0	34.2 ± 3.0	
	RDW-CV	16.0 ± 3.0	15.0 ± 3.0	14.0 ± 3.0	
	RDW-SD	35.0 ± 8.0	38.0 ± 8.0	41.0 ± 8.0	
	PLT × 10^3/µL	67 ± 20	258 ± 40	559 ± 60	
	MPV fL	9.2 ± 3.0	9.0 ± 3.0	9.4 ± 3.0	
	PCT % *	0.060 ± 0.050	0.230 ± 0.100	0.530 ± 0.200	
	PDW *	15.4 ± 3.0	15.7 ± 3.0	15.9 ± 3.0	
	P-LCC	25 ± 10	83 ± 22	192 ± 30	
	P-LCR	34.0 ± 9.0	31.0 ± 9.0	33.5 ± 9.0	
	Lymph %	59.0 ± 9.0	30.0 ± 8.0	13.5 ± 8.0	
	Mid %	10.5 ± 8.0	8.0 ± 7.0	6.0 ± 5.0	
	Gran %	30.5 ± 9.0	62.0 ± 8.0	80.5 ± 9.0	
	Lymph × 10^3/µL	1.1 ± 0.2	2.4 ± 0.7	2.8 ± 1.7	
	Mid × 10^3/µL	0.2 ± 0.2	0.6 ± 0.6	1.2 ± 1.0	
	Gran × 10^3/µL	0.6 ± 0.2	5.0 ± 0.7	16.7 ± 1.9	

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Instrument	Parameter	Low LOT B0519L	Normal LOT B0519N	High LOT B0519H	++++
BC-2800Vet, BC-2600Vet	WBC × 10^3/μL	1.9 ± 0.5	8.1 ± 1.0	20.8 ± 2.5	
(Software version 2.0 or higher)	RBC × 10^6/μL	2.26 ± 0.18	4.61 ± 0.24	5.63 ± 0.30	
	HGB g/dL	5.9 ± 0.4	13.8 ± 0.6	18.9 ± 0.8	
	HCT %	17.2 ± 1.5	39.4 ± 2.0	53.2 ± 2.4	
	MCV fL	76.0 ± 5.0	85.5 ± 5.0	94.5 ± 5.0	
	MCH pg	26.1 ± 2.5	29.9 ± 2.5	33.6 ± 2.5	
	MCHC g/dL	34.4 ± 3.0	35.0 ± 3.0	35.5 ± 3.0	
	PLT × 10^3/μL	64 ± 20	245 ± 40	535 ± 60	

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