BC-3D

HEMATOLOGY CONTROLS

CONTROL

LOT B0819

2019-11-05

ASSAY VALUES AND EXPECTED RANGES

Instrument	Parameter	Low LOT B0819L	Normal LOT B0819N	High LOT B0819H
BC-3200, BC-3000CT	WBC × 10^3/µL	2.1 ± 0.5	8.7 ± 1.0	22.2 ± 2.5
	RBC × 10^6/µL	2.45 ± 0.18	4.70 ± 0.24	5.82 ± 0.30
	HGB g/dL	6.2 ± 0.4	13.7 ± 0.6	18.8 ± 0.8
	HCT %	18.5 ± 1.5	40.7 ± 2.0	55.3 ± 2.4
	MCV fL	75.5 ± 5.0	86.5 ± 5.0	95.0 ± 5.0
	MCH pg	25.3 ± 2.5	29.1 ± 2.5	32.3 ± 2.5
	MCHC g/dL	33.5 ± 3.0	33.7 ± 3.0	34.0 ± 3.0
	RDW-CV	14.5 ± 3.0	14.0 ± 3.0	13.5 ± 3.0
	RDW-SD	36.5 ± 6.0	39.5 ± 6.0	41.5 ± 8.0
	PLT × 10^3/µL	75 ± 20	260 ± 40	520 ± 60
	MPV fL	8.5 ± 3.0	8.0 ± 3.0	8.0 ± 3.0
	Lymph %	60.5 ± 12.0	29.7 ± 8.0	12.5 ± 6.0
	Mid %	9.5 ± 8.0	8.7 ± 7.0	5.5 ± 5.0
	Gran %	30.0 ± 10.0	61.6 ± 8.0	82.0 ± 8.0
	Lymph × 10^3/µL	1.3 ± 0.3	2.6 ± 0.8	2.8 ± 1.4
	Mid × 10^3/µL	0.2 ± 0.2	0.8 ± 0.7	1.2 ± 1.2
	Gran × 10^3/µL	0.6 ± 0.3	5.4 ± 0.8	18.2 ± 1.8
BC-3000 Plus, BC-2900, BC-1800	WBC × 10^3/µL	2.2 ± 0.5	8.5 ± 1.0	21.1 ± 2.5
	RBC × 10^6/µL	2.50 ± 0.18	4.75 ± 0.24	5.78 ± 0.30
	HGB g/dL	6.2 ± 0.4	13.8 ± 0.6	18.6 ± 0.8
	HCT %	19.0 ± 1.5	41.1 ± 2.0	54.6 ± 2.4
	MCV fL	76.0 ± 5.0	86.5 ± 5.0	94.5 ± 5.0
	MCH pg	24.8 ± 2.5	29.1 ± 2.5	32.2 ± 2.5
	MCHC g/dL	32.6 ± 3.0	33.6 ± 3.0	34.1 ± 3.0
	RDW-CV	16.5 ± 3.0	15.5 ± 3.0	14.5 ± 3.0
	RDW-SD	36.0 ± 6.0	39.0 ± 6.0	41.0 ± 8.0
	PLT × 10^3/µL	80 ± 20	260 ± 40	510 ± 60
	MPV fL	8.4 ± 3.0	8.0 ± 3.0	8.0 ± 3.0
	PCT % *	0.070 ± 0.050	0.210 ± 0.100	0.410 ± 0.200
	PDW *	17.0 ± 3.0	16.5 ± 3.0	16.4 ± 3.0
	Lymph %	60.5 ± 12.0	29.5 ± 8.0	12.0 ± 6.0
	Mid %	10.0 ± 9.0	10.0 ± 7.0	5.5 ± 5.0
	Gran %	29.5 ± 10.0	60.5 ± 8.0	82.5 ± 8.0
	Lymph × 10^3/µL	1.3 ± 0.3	2.5 ± 0.7	2.5 ± 1.3
	Mid × 10^3/µL	0.2 ± 0.2	0.9 ± 0.7	1.2 ± 1.2
	Gran × 10^3/µL	0.6 ± 0.3	5.1 ± 0.7	17.4 ± 1.7

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BC-2800, BC-2600	WBC × 10^3/µL	2.0 ± 0.5	8.3 ± 1.0	21.0 ± 2.5	
(Software version 2.0 or higher)	RBC × 10^6/µL	2.38 ± 0.18	4.57 ± 0.24	5.68 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.7 ± 0.6	18.8 ± 0.8	
	HCT %	17.9 ± 1.5	39.1 ± 2.0	53.1 ± 2.4	
	MCV fL	75.0 ± 5.0	85.5 ± 5.0	93.5 ± 5.0	
	MCH pg	25.6 ± 2.5	30.0 ± 2.5	33.1 ± 2.5	
	MCHC g/dL	34.2 ± 3.0	35.1 ± 3.0	35.4 ± 3.0	
	RDW-CV	16.0 ± 3.0	15.5 ± 3.0	15.0 ± 3.0	
	RDW-SD	41.0 ± 6.0	44.0 ± 6.0	47.0 ± 8.0	
	PLT × 10^3/µL	62 ± 20	245 ± 40	505 ± 60	
	MPV fL	9.4 ± 3.0	9.5 ± 3.0	9.5 ± 3.0	
	PCT % *	0.060 ± 0.050	0.230 ± 0.100	0.480 ± 0.200	
	PDW *	15.0 ± 3.0	15.0 ± 3.0	15.0 ± 3.0	
	Lymph %	62.5 ± 12.0	32.5 ± 8.0	14.5 ± 7.0	
	Mid %	8.5 ± 7.0	7.0 ± 6.0	4.0 ± 3.0	
	Gran %	29.0 ± 10.0	60.5 ± 9.0	81.5 ± 8.0	
	Lymph × 10^3/µL	1.3 ± 0.3	2.7 ± 0.7	3.0 ± 1.5	
	Mid × 10^3/µL	0.2 ± 0.2	0.6 ± 0.6	0.8 ± 0.7	
	Gran × 10^3/µL	0.6 ± 0.3	5.0 ± 0.8	17.1 ± 1.7	
BC-2300, BC-2100	WBC × 10^3/µL	2.0 ± 0.5	8.0 ± 1.0	21.4 ± 2.5	
	RBC × 10^6/µL	2.37 ± 0.18	4.48 ± 0.24	5.49 ± 0.30	
	HGB g/dL	6.3 ± 0.4	13.4 ± 0.6	18.2 ± 0.8	
	HCT %	17.4 ± 1.5	37.4 ± 2.0	50.5 ± 2.4	
	MCV fL	73.5 ± 5.0	83.5 ± 5.0	92.0 ± 5.0	
	MCH pg	26.6 ± 2.5	29.9 ± 2.5	33.2 ± 2.5	
	MCHC g/dL	36.2 ± 3.0	35.8 ± 3.0	36.0 ± 3.0	
	RDW-CV	14.5 ± 3.0	14.0 ± 3.0	13.5 ± 3.0	
	RDW-SD	33.0 ± 8.0	36.0 ± 8.0	38.0 ± 8.0	
	PLT × 10^3/µL	60 ± 20	245 ± 40	545 ± 60	
	MPV fL	10.1 ± 3.0	10.2 ± 3.0	10.3 ± 3.0	
	PCT % *	0.060 ± 0.050	0.250 ± 0.100	0.570 ± 0.200	
	PDW *	15.1 ± 3.0	15.2 ± 3.0	15.2 ± 3.0	
	Lymph %	62.0 ± 12.0	32.5 ± 8.0	14.0 ± 7.0	
	Mid %	9.0 ± 7.0	8.0 ± 7.0	5.5 ± 5.0	
	Gran %	29.0 ± 10.0	59.5 ± 9.0	80.5 ± 8.0	
	Lymph × 10^3/µL	1.2 ± 0.3	2.6 ± 0.7	3.0 ± 1.6	
	Mid × 10^3/µL	0.2 ± 0.2	0.6 ± 0.6	1.2 ± 1.2	
	Gran × 10^3/µL	0.6 ± 0.3	4.8 ± 0.8	17.2 ± 1.8	

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BC-20s, BC-21s	WBC × 10^3/µL	2.1 ± 0.5	8.2 ± 1.0	21.5 ± 2.5	
BC-30, BC-30s, BC-30e,	RBC × 10^6/µL	2.37 ± 0.18	4.50 ± 0.24	5.54 ± 0.30	
BC-31, BC-31s	HGB g/dL	6.3 ± 0.4	13.9 ± 0.6	18.8 ± 0.8	
	HCT %	17.8 ± 1.5	38.7 ± 2.0	51.8 ± 2.4	
	MCV fL	75.0 ± 5.0	86.0 ± 5.0	93.5 ± 5.0	
	MCH pg	26.6 ± 2.5	30.9 ± 2.5	33.9 ± 2.5	
	MCHC g/dL	35.4 ± 3.0	35.9 ± 3.0	36.3 ± 3.0	
	RDW-CV	16.6 ± 3.0	15.3 ± 3.0	14.8 ± 3.0	
	RDW-SD	44.0 ± 8.0	45.5 ± 8.0	47.0 ± 8.0	
	PLT × 10^3/µL	65 ± 20	265 ± 40	555 ± 60	
	MPV fL	8.9 ± 3.0	9.1 ± 3.0	9.2 ± 3.0	
	PCT % *	0.060 ± 0.050	0.250 ± 0.100	0.520 ± 0.200	
	PDW *	16.5 ± 3.0	16.5 ± 3.0	16.7 ± 3.0	
	P-LCC	16 ± 10	65 ± 22	138 ± 30	
	P-LCR	25.0 ± 9.0	25.0 ± 9.0	25.0 ± 9.0	
	Lymph %	68.0 ± 12.0	34.0 ± 8.0	13.0 ± 8.0	
	Mid %	7.0 ± 6.0	7.5 ± 6.5	4.0 ± 4.0	
	Gran %	25.0 ± 10.0	58.5 ± 8.0	83.0 ± 9.0	
	Lymph × 10^3/µL	1.4 ± 0.3	2.8 ± 0.7	2.8 ± 1.8	
	Mid × 10^3/µL	0.2 ± 0.2	0.6 ± 0.6	0.9 ± 0.9	
	Gran × 10^3/µL	0.5 ± 0.3	4.8 ± 0.7	17.8 ± 2.0	
BC-3600, BC-3300	WBC × 10^3/µL	2.1 ± 0.5	8.2 ± 1.0	21.1 ± 2.5	
	RBC × 10^6/µL	2.48 ± 0.18	4.75 ± 0.24	5.83 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.6 ± 0.6	18.5 ± 0.8	
	HCT %	18.8 ± 1.5	40.4 ± 2.0	53.9 ± 2.4	
	MCV fL	76.0 ± 5.0	85.0 ± 5.0	92.5 ± 5.0	
	MCH pg	25.0 ± 2.5	28.6 ± 2.5	31.7 ± 2.5	
	MCHC g/dL	32.9 ± 3.0	33.7 ± 3.0	34.3 ± 3.0	
	RDW-CV	16.2 ± 3.0	15.0 ± 3.0	14.2 ± 3.0	
	RDW-SD	35.0 ± 8.0	38.5 ± 8.0	41.5 ± 8.0	
	PLT × 10^3/µL	66 ± 20	262 ± 40	540 ± 60	
	MPV fL	9.1 ± 3.0	9.1 ± 3.0	9.0 ± 3.0	
	PCT % *	0.060 ± 0.050	0.240 ± 0.100	0.480 ± 0.200	
	PDW *	15.3 ± 3.0	15.7 ± 3.0	15.9 ± 3.0	
	P-LCC	20 ± 10	80 ± 32	160 ± 30	
	P-LCR	30.0 ± 9.0	31.0 ± 9.0	30.0 ± 9.0	
	Lymph %	59.5 ± 9.0	29.5 ± 8.0	12.5 ± 8.0	
	Mid %	12.0 ± 8.0	9.5 ± 8.0	5.5 ± 5.0	
	Gran %	28.5 ± 9.0	61.0 ± 8.0	82.0 ± 9.0	
	Lymph × 10^3/µL	1.2 ± 0.2	2.4 ± 0.7	2.6 ± 1.7	
	Mid × 10^3/µL	0.3 ± 0.2	0.8 ± 0.7	1.2 ± 1.2	
	Gran × 10^3/µL	0.6 ± 0.2	5.0 ± 0.7	17.3 ± 1.9	

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Instrument	Parameter	Low LOT B0819L	Normal LOT B0819N	High LOT B0819H	++++
BC-2800Vet, BC-2600Vet	WBC × 10^3/μL	2.0 ± 0.5	8.3 ± 1.0	21.0 ± 2.5	
(Software version 2.0 or higher)	RBC × 10^6/μL	2.38 ± 0.18	4.57 ± 0.24	5.68 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.7 ± 0.6	18.8 ± 0.8	
	HCT %	17.9 ± 1.5	39.1 ± 2.0	53.1 ± 2.4	
	MCV fL	75.0 ± 5.0	85.5 ± 5.0	93.5 ± 5.0	
	MCH pg	25.6 ± 2.5	30.0 ± 2.5	33.1 ± 2.5	
	MCHC g/dL	34.2 ± 3.0	35.1 ± 3.0	35.4 ± 3.0	
	PLT × 10^3/μL	62 ± 20	245 ± 40	505 ± 60	

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