

BC-3D

HEMATOLOGY CONTROLS

CONTROL

LOT

B0826



2026-11-05

ASSAY VALUES AND EXPECTED RANGES

Instrument	Parameter	Low	Normal	High	+
		LOT B0826L	LOT B0826N	LOT B0826H	
BC-3000 Plus, BC-2900, BC-1800	WBC × 10 ³ /μL	2.0 ± 0.5	8.0 ± 1.0	21.2 ± 2.5	
	RBC × 10 ⁶ /μL	2.35 ± 0.18	4.75 ± 0.24	5.74 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.8 ± 0.6	18.8 ± 0.8	
	HCT %	18.0 ± 1.5	40.2 ± 2.0	54.0 ± 2.4	
	MCV fL	76.8 ± 5.0	84.7 ± 5.0	94.0 ± 5.0	
	MCH pg	26.0 ± 2.5	29.1 ± 2.5	32.8 ± 2.5	
	MCHC g/dL	33.8 ± 3.0	34.3 ± 3.0	34.8 ± 3.0	
	RDW-CV	17.8 ± 3.0	15.7 ± 3.0	15.2 ± 3.0	
	RDW-SD	46.5 ± 6.0	45.1 ± 6.0	47.0 ± 8.0	
	PLT × 10 ³ /μL	73 ± 20	243 ± 40	495 ± 60	
	MPV fL	8.2 ± 3.0	7.4 ± 3.0	7.4 ± 3.0	
	PCT % *	0.060 ± 0.050	0.180 ± 0.100	0.366 ± 0.200	
	PDW *	16.3 ± 3.0	15.9 ± 3.0	15.7 ± 3.0	
	Lymph %	55.4 ± 12.0	27.8 ± 8.0	11.8 ± 6.0	
	Mid %	12.8 ± 10.0	9.7 ± 8.0	5.9 ± 5.0	
	Gran %	31.8 ± 9.0	62.5 ± 8.0	82.3 ± 8.0	
	Lymph × 10 ³ /μL	1.1 ± 0.3	2.2 ± 0.7	2.5 ± 1.3	
	Mid × 10 ³ /μL	0.3 ± 0.3	0.8 ± 0.7	1.3 ± 1.1	
	Gran × 10 ³ /μL	0.6 ± 0.2	5.0 ± 0.7	17.4 ± 1.7	
BC-2800, BC-2600 (Software version 2.0 or higher)	WBC × 10 ³ /μL	1.9 ± 0.5	7.6 ± 1.0	20.6 ± 2.5	
	RBC × 10 ⁶ /μL	2.27 ± 0.18	4.70 ± 0.24	5.76 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.8 ± 0.6	18.7 ± 0.8	
	HCT %	17.4 ± 1.5	39.5 ± 2.0	54.0 ± 2.4	
	MCV fL	76.7 ± 5.0	84.0 ± 5.0	93.7 ± 5.0	
	MCH pg	26.9 ± 2.5	29.4 ± 2.5	32.5 ± 2.5	
	MCHC g/dL	35.0 ± 3.0	35.0 ± 3.0	34.6 ± 3.0	
	RDW-CV	17.0 ± 3.0	14.8 ± 3.0	14.1 ± 3.0	
	RDW-SD	43.4 ± 6.0	42.3 ± 6.0	44.3 ± 8.0	
	PLT × 10 ³ /μL	64 ± 20	230 ± 40	482 ± 60	
	MPV fL	9.7 ± 3.0	9.1 ± 3.0	9.0 ± 3.0	
	PCT % *	0.062 ± 0.050	0.209 ± 0.100	0.434 ± 0.200	
	PDW *	14.9 ± 3.0	14.8 ± 3.0	14.7 ± 3.0	
	Lymph %	58.1 ± 12.0	30.0 ± 8.0	13.1 ± 7.0	
	Mid %	10.3 ± 8.0	7.4 ± 6.0	4.9 ± 4.0	
	Gran %	31.6 ± 10.0	62.6 ± 9.0	82.0 ± 8.0	
	Lymph × 10 ³ /μL	1.1 ± 0.3	2.3 ± 0.7	2.7 ± 1.5	
	Mid × 10 ³ /μL	0.2 ± 0.2	0.6 ± 0.5	1.0 ± 0.9	
	Gran × 10 ³ /μL	0.6 ± 0.2	4.7 ± 0.7	16.9 ± 1.7	

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ASSAY VALUES AND EXPECTED RANGES

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		LOT B0826L	LOT B0826N	LOT B0826H	
BC-2300, BC-2100	WBC × 10 ³ /μL	1.9 ± 0.5	7.8 ± 1.0	21.0 ± 2.5	
	RBC × 10 ⁶ /μL	2.31 ± 0.18	4.63 ± 0.24	5.61 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.5 ± 0.6	18.0 ± 0.8	
	HCT %	17.7 ± 1.5	38.9 ± 2.0	53.0 ± 2.4	
	MCV fL	76.6 ± 5.0	84.1 ± 5.0	94.4 ± 5.0	
	MCH pg	26.8 ± 2.5	29.2 ± 2.5	32.1 ± 2.5	
	MCHC g/dL	35.0 ± 3.0	34.7 ± 3.0	34.0 ± 3.0	
	RDW-CV	15.6 ± 3.0	13.8 ± 3.0	13.1 ± 3.0	
	RDW-SD	38.3 ± 8.0	37.0 ± 8.0	39.5 ± 8.0	
	PLT × 10 ³ /μL	64 ± 20	235 ± 40	530 ± 60	
	MPV fL	9.6 ± 3.0	9.4 ± 3.0	9.6 ± 3.0	
	PCT % *	0.061 ± 0.050	0.221 ± 0.100	0.509 ± 0.200	
	PDW *	14.9 ± 3.0	14.9 ± 3.0	14.8 ± 3.0	
	Lymph %	56.9 ± 12.0	29.7 ± 9.0	13.2 ± 8.0	
	Mid %	10.1 ± 8.0	9.6 ± 7.0	10.0 ± 7.0	
	Gran %	33.0 ± 10.0	60.7 ± 10.0	76.8 ± 10.0	
	Lymph × 10 ³ /μL	1.1 ± 0.3	2.3 ± 0.7	2.8 ± 1.7	
	Mid × 10 ³ /μL	0.2 ± 0.2	0.7 ± 0.6	2.1 ± 1.5	
	Gran × 10 ³ /μL	0.6 ± 0.2	4.8 ± 0.8	16.1 ± 2.1	
BC-20s, BC-21s	WBC × 10 ³ /μL	2.0 ± 0.5	7.7 ± 1.0	21.3 ± 2.5	
BC-30, BC-30s, BC-30e, BC-31, BC-31s	RBC × 10 ⁶ /μL	2.25 ± 0.18	4.64 ± 0.24	5.66 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.7 ± 0.6	18.6 ± 0.8	
	HCT %	18.0 ± 1.5	39.8 ± 2.0	53.5 ± 2.4	
	MCV fL	80.0 ± 5.0	85.7 ± 5.0	94.5 ± 5.0	
	MCH pg	27.6 ± 2.5	29.5 ± 2.5	32.9 ± 2.5	
	MCHC g/dL	34.4 ± 3.0	34.5 ± 3.0	34.8 ± 3.0	
	RDW-CV	17.7 ± 3.0	15.5 ± 3.0	14.7 ± 3.0	
	RDW-SD	49.9 ± 8.0	46.4 ± 8.0	48.4 ± 8.0	
	PLT × 10 ³ /μL	63 ± 20	254 ± 40	549 ± 60	
	MPV fL	8.6 ± 3.0	8.1 ± 3.0	8.4 ± 3.0	
	PCT % *	0.054 ± 0.050	0.206 ± 0.100	0.461 ± 0.200	
	PDW *	15.8 ± 3.0	16.3 ± 3.0	16.5 ± 3.0	
	P-LCC	13 ± 10	44 ± 22	101 ± 30	
	P-LCR	20.2 ± 9.0	17.5 ± 9.0	18.4 ± 9.0	
	Lymph %	62.3 ± 12.0	30.7 ± 8.0	12.8 ± 8.0	
	Mid %	7.4 ± 5.0	7.1 ± 5.0	5.6 ± 4.0	
	Gran %	30.3 ± 12.0	62.2 ± 8.0	81.6 ± 9.0	
	Lymph × 10 ³ /μL	1.2 ± 0.3	2.4 ± 0.7	2.7 ± 1.7	
	Mid × 10 ³ /μL	0.1 ± 0.1	0.5 ± 0.4	1.2 ± 0.9	
	Gran × 10 ³ /μL	0.7 ± 0.3	4.8 ± 0.7	17.4 ± 2.0	

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BC-3600, BC-3300	WBC × 10 ³ /μL	1.9 ± 0.5	7.6 ± 1.0	20.7 ± 2.5	
	RBC × 10 ⁶ /μL	2.34 ± 0.18	4.83 ± 0.24	5.87 ± 0.30	
	HGB g/dL	6.1 ± 0.4	13.5 ± 0.6	18.4 ± 0.8	
	HCT %	18.4 ± 1.5	40.7 ± 2.0	54.9 ± 2.4	
	MCV fL	78.7 ± 5.0	84.3 ± 5.0	93.5 ± 5.0	
	MCH pg	26.1 ± 2.5	28.0 ± 2.5	31.3 ± 2.5	
	MCHC g/dL	33.1 ± 3.0	33.2 ± 3.0	33.5 ± 3.0	
	RDW-CV	17.7 ± 3.0	15.1 ± 3.0	14.6 ± 3.0	
	RDW-SD	41.0 ± 8.0	41.9 ± 8.0	46.0 ± 8.0	
	PLT × 10 ³ /μL	67 ± 20	239 ± 40	501 ± 60	
	MPV fL	8.6 ± 3.0	8.2 ± 3.0	8.4 ± 3.0	
	PCT % *	0.058 ± 0.050	0.196 ± 0.100	0.421 ± 0.200	
	PDW *	15.2 ± 3.0	15.6 ± 3.0	15.8 ± 3.0	
	P-LCC	18 ± 10	57 ± 22	122 ± 30	
	P-LCR	27.4 ± 9.0	23.7 ± 9.0	24.3 ± 9.0	
	Lymph %	57.7 ± 9.0	29.3 ± 8.0	12.7 ± 8.0	
	Mid %	11.8 ± 11.8	8.8 ± 8.8	5.5 ± 5.5	
	Gran %	30.5 ± 10.0	61.9 ± 8.0	81.8 ± 9.0	
	Lymph × 10 ³ /μL	1.1 ± 0.2	2.2 ± 0.6	2.6 ± 1.7	
	Mid × 10 ³ /μL	0.2 ± 0.2	0.7 ± 0.7	1.1 ± 1.1	
	Gran × 10 ³ /μL	0.6 ± 0.2	4.7 ± 0.6	17.0 ± 1.9	
BC-10, BC-10e, BC-11	WBC × 10 ³ /μL	1.9 ± 0.5	7.5 ± 1.0	20.2 ± 2.5	
BC-20, BC-21	RBC × 10 ⁶ /μL	2.21 ± 0.18	4.59 ± 0.24	5.56 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.7 ± 0.6	18.4 ± 0.8	
	HCT %	17.5 ± 1.5	38.7 ± 2.0	51.4 ± 2.4	
	MCV fL	79.2 ± 5.0	84.4 ± 5.0	92.5 ± 5.0	
	MCH pg	28.1 ± 2.5	29.8 ± 2.5	33.1 ± 2.5	
	MCHC g/dL	35.4 ± 3.0	35.4 ± 3.0	35.8 ± 3.0	
	RDW-CV	17.9 ± 3.0	15.8 ± 3.0	15.3 ± 3.0	
	RDW-SD	46.6 ± 8.0	44.3 ± 8.0	47.0 ± 8.0	
	PLT × 10 ³ /μL	59 ± 20	228 ± 40	490 ± 60	
	MPV fL	8.9 ± 3.0	8.6 ± 3.0	8.7 ± 3.0	
	PCT % *	0.053 ± 0.050	0.196 ± 0.100	0.426 ± 0.200	
	PDW *	14.9 ± 3.0	15.6 ± 3.0	15.9 ± 3.0	
	P-LCR	20.4 ± 9.0	20.1 ± 9.0	21.1 ± 9.0	
	Lymph %	62.1 ± 12.0	30.9 ± 8.0	13.2 ± 8.0	
	Mid %	7.8 ± 6.0	7.0 ± 5.0	5.1 ± 4.0	
	Gran %	30.1 ± 10.0	62.1 ± 8.0	81.7 ± 9.0	
	Lymph × 10 ³ /μL	1.2 ± 0.3	2.3 ± 0.6	2.7 ± 1.7	
	Mid × 10 ³ /μL	0.1 ± 0.1	0.5 ± 0.4	1.0 ± 0.8	
	Gran × 10 ³ /μL	0.6 ± 0.2	4.7 ± 0.6	16.5 ± 1.9	

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		LOT B0826L	LOT B0826N	LOT B0826H	
BC-2800Vet, BC-2600Vet (Software version 2.0 or higher)	WBC $\times 10^3/\mu\text{L}$	1.9 $\pm$ 0.5	7.6 $\pm$ 1.0	20.6 $\pm$ 2.5	
	RBC $\times 10^6/\mu\text{L}$	2.27 $\pm$ 0.18	4.70 $\pm$ 0.24	5.76 $\pm$ 0.30	
	HGB g/dL	6.1 $\pm$ 0.4	13.8 $\pm$ 0.6	18.7 $\pm$ 0.8	
	HCT %	17.4 $\pm$ 1.5	39.5 $\pm$ 2.0	54.0 $\pm$ 2.4	
	MCV fL	76.7 $\pm$ 5.0	84.0 $\pm$ 5.0	93.7 $\pm$ 5.0	
	MCH pg	26.9 $\pm$ 2.5	29.4 $\pm$ 2.5	32.5 $\pm$ 2.5	
	MCHC g/dL	35.0 $\pm$ 3.0	35.0 $\pm$ 3.0	34.6 $\pm$ 3.0	
	PLT $\times 10^3/\mu\text{L}$	64 $\pm$ 20	230 $\pm$ 40	482 $\pm$ 60	

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Mindray

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