

BC-3D

HEMATOLOGY CONTROLS

CONTROL

LOT

B0526



2026-08-05

ASSAY VALUES AND EXPECTED RANGES

Instrument	Parameter	Low	Normal	High	++
		LOT B0526L	LOT B0526N	LOT B0526H	
BC-2300, BC-2100	WBC × 10 ³ /μL	2.1 ± 0.5	7.8 ± 1.0	21.3 ± 2.5	
	RBC × 10 ⁶ /μL	2.21 ± 0.18	4.67 ± 0.24	5.54 ± 0.30	
	HGB g/dL	5.9 ± 0.4	13.8 ± 0.6	18.0 ± 0.8	
	HCT %	16.8 ± 1.5	39.6 ± 2.0	52.2 ± 2.4	
	MCV fL	76.2 ± 5.0	84.8 ± 5.0	94.2 ± 5.0	
	MCH pg	26.7 ± 2.5	29.6 ± 2.5	32.5 ± 2.5	
	MCHC g/dL	35.0 ± 3.0	34.8 ± 3.0	34.5 ± 3.0	
	RDW-CV	15.1 ± 3.0	14.0 ± 3.0	13.2 ± 3.0	
	RDW-SD	37.4 ± 8.0	37.6 ± 8.0	39.4 ± 8.0	
	PLT × 10 ³ /μL	56 ± 20	251 ± 40	494 ± 60	
	MPV fL	9.2 ± 3.0	9.5 ± 3.0	9.3 ± 3.0	
	PCT % *	0.052 ± 0.050	0.238 ± 0.100	0.459 ± 0.200	
	PDW *	14.9 ± 3.0	15.0 ± 3.0	14.9 ± 3.0	
	Lymph %	62.1 ± 12.0	29.8 ± 9.0	13.7 ± 8.0	
	Mid %	8.7 ± 8.0	10.2 ± 7.0	6.5 ± 6.0	
	Gran %	29.2 ± 10.0	60.0 ± 10.0	79.8 ± 10.0	
	Lymph × 10 ³ /μL	1.3 ± 0.3	2.3 ± 0.7	2.9 ± 1.7	
	Mid × 10 ³ /μL	0.2 ± 0.2	0.8 ± 0.6	1.4 ± 1.3	
	Gran × 10 ³ /μL	0.6 ± 0.2	4.7 ± 0.8	17.0 ± 2.2	
BC-20s, BC-21s BC-30, BC-30s, BC-30e, BC-31, BC-31s	WBC × 10 ³ /μL	2.2 ± 0.5	7.9 ± 1.0	21.6 ± 2.5	
	RBC × 10 ⁶ /μL	2.16 ± 0.18	4.65 ± 0.24	5.59 ± 0.30	
	HGB g/dL	5.9 ± 0.4	14.1 ± 0.6	18.5 ± 0.8	
	HCT %	17.2 ± 1.5	40.4 ± 2.0	52.9 ± 2.4	
	MCV fL	79.7 ± 5.0	86.8 ± 5.0	94.6 ± 5.0	
	MCH pg	27.3 ± 2.5	30.3 ± 2.5	33.1 ± 2.5	
	MCHC g/dL	34.3 ± 3.0	34.9 ± 3.0	35.0 ± 3.0	
	RDW-CV	16.9 ± 3.0	15.4 ± 3.0	14.9 ± 3.0	
	RDW-SD	48.3 ± 8.0	47.2 ± 8.0	49.8 ± 8.0	
	PLT × 10 ³ /μL	61 ± 20	265 ± 40	540 ± 60	
	MPV fL	8.2 ± 3.0	8.5 ± 3.0	8.4 ± 3.0	
	PCT % *	0.050 ± 0.050	0.225 ± 0.100	0.454 ± 0.200	
	PDW *	16.0 ± 3.0	16.2 ± 3.0	16.5 ± 3.0	
	P-LCC	12 ± 10	51 ± 22	100 ± 30	
	P-LCR	18.9 ± 9.0	19.1 ± 9.0	18.6 ± 9.0	
	Lymph %	65.7 ± 12.0	31.1 ± 8.0	12.6 ± 8.0	
	Mid %	6.1 ± 5.0	6.8 ± 5.0	5.1 ± 4.0	
	Gran %	28.2 ± 12.0	62.1 ± 8.0	82.3 ± 9.0	
	Lymph × 10 ³ /μL	1.4 ± 0.3	2.5 ± 0.7	2.7 ± 1.8	
	Mid × 10 ³ /μL	0.1 ± 0.1	0.5 ± 0.4	1.1 ± 0.9	
	Gran × 10 ³ /μL	0.7 ± 0.3	4.9 ± 0.7	17.8 ± 2.0	

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		LOT B0526L	LOT B0526N	LOT B0526H	
BC-3600, BC-3300	WBC × 10 ³ /μL	2.1 ± 0.5	7.9 ± 1.0	21.2 ± 2.5	
	RBC × 10 ⁶ /μL	2.29 ± 0.18	4.89 ± 0.24	5.82 ± 0.30	
	HGB g/dL	6.0 ± 0.4	14.0 ± 0.6	18.4 ± 0.8	
	HCT %	18.0 ± 1.5	41.6 ± 2.0	54.3 ± 2.4	
	MCV fL	78.5 ± 5.0	85.0 ± 5.0	93.3 ± 5.0	
	MCH pg	26.2 ± 2.5	28.6 ± 2.5	31.6 ± 2.5	
	MCHC g/dL	33.4 ± 3.0	33.7 ± 3.0	33.9 ± 3.0	
	RDW-CV	17.3 ± 3.0	15.6 ± 3.0	14.9 ± 3.0	
	RDW-SD	40.5 ± 8.0	42.5 ± 8.0	46.2 ± 8.0	
	PLT × 10 ³ /μL	64 ± 20	257 ± 40	495 ± 60	
	MPV fL	8.3 ± 3.0	8.5 ± 3.0	8.4 ± 3.0	
	PCT % *	0.053 ± 0.050	0.218 ± 0.100	0.416 ± 0.200	
	PDW *	15.4 ± 3.0	15.7 ± 3.0	15.9 ± 3.0	
	P-LCC	16 ± 10	66 ± 22	121 ± 30	
	P-LCR	24.8 ± 9.0	25.5 ± 9.0	24.4 ± 9.0	
	Lymph %	60.8 ± 9.0	29.1 ± 8.0	12.7 ± 8.0	
	Mid %	10.1 ± 10.1	8.5 ± 8.5	3.5 ± 3.5	
	Gran %	29.1 ± 10.0	62.4 ± 8.0	83.8 ± 9.0	
	Lymph × 10 ³ /μL	1.3 ± 0.2	2.3 ± 0.7	2.7 ± 1.7	
	Mid × 10 ³ /μL	0.2 ± 0.2	0.7 ± 0.7	0.7 ± 0.7	
	Gran × 10 ³ /μL	0.6 ± 0.2	4.9 ± 0.7	17.8 ± 2.0	
BC-10, BC-10e, BC-11	WBC × 10 ³ /μL	2.1 ± 0.5	7.6 ± 1.0	20.6 ± 2.5	
BC-20, BC-21	RBC × 10 ⁶ /μL	2.13 ± 0.18	4.60 ± 0.24	5.49 ± 0.30	
	HGB g/dL	5.9 ± 0.4	14.0 ± 0.6	18.4 ± 0.8	
	HCT %	16.6 ± 1.5	39.1 ± 2.0	50.5 ± 2.4	
	MCV fL	78.1 ± 5.0	84.9 ± 5.0	92.0 ± 5.0	
	MCH pg	27.7 ± 2.5	30.4 ± 2.5	33.5 ± 2.5	
	MCHC g/dL	35.5 ± 3.0	35.8 ± 3.0	36.4 ± 3.0	
	RDW-CV	17.3 ± 3.0	15.5 ± 3.0	15.4 ± 3.0	
	RDW-SD	45.2 ± 8.0	45.1 ± 8.0	48.1 ± 8.0	
	PLT × 10 ³ /μL	57 ± 20	242 ± 40	476 ± 60	
	MPV fL	8.7 ± 3.0	8.8 ± 3.0	8.8 ± 3.0	
	PCT % *	0.050 ± 0.050	0.213 ± 0.100	0.419 ± 0.200	
	PDW *	15.1 ± 3.0	15.6 ± 3.0	16.0 ± 3.0	
	P-LCR	21.6 ± 9.0	21.3 ± 9.0	22.3 ± 9.0	
	Lymph %	65.6 ± 12.0	31.9 ± 8.0	13.1 ± 8.0	
	Mid %	5.8 ± 5.0	6.3 ± 5.0	4.5 ± 3.0	
	Gran %	28.6 ± 10.0	61.8 ± 8.0	82.4 ± 9.0	
	Lymph × 10 ³ /μL	1.4 ± 0.3	2.4 ± 0.6	2.7 ± 1.7	
	Mid × 10 ³ /μL	0.1 ± 0.1	0.5 ± 0.4	0.9 ± 0.6	
	Gran × 10 ³ /μL	0.6 ± 0.3	4.7 ± 0.6	17.0 ± 1.9	

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		LOT B0526L	LOT B0526N	LOT B0526H	
BC-3000 Plus, BC-2900, BC-1800	WBC × 10 ³ /μL	2.2 ± 0.5	8.1 ± 1.0	21.5 ± 2.5	
	RBC × 10 ⁶ /μL	2.26 ± 0.18	4.78 ± 0.24	5.71 ± 0.30	
	HGB g/dL	5.9 ± 0.4	14.1 ± 0.6	18.7 ± 0.8	
	HCT %	17.5 ± 1.5	41.0 ± 2.0	53.6 ± 2.4	
	MCV fL	77.6 ± 5.0	85.7 ± 5.0	93.8 ± 5.0	
	MCH pg	26.1 ± 2.5	29.5 ± 2.5	32.7 ± 2.5	
	MCHC g/dL	33.6 ± 3.0	34.4 ± 3.0	34.9 ± 3.0	
	RDW-CV	17.2 ± 3.0	15.5 ± 3.0	15.3 ± 3.0	
	RDW-SD	45.5 ± 6.0	44.8 ± 6.0	47.9 ± 8.0	
	PLT × 10 ³ /μL	70 ± 20	258 ± 40	491 ± 60	
	MPV fL	8.0 ± 3.0	7.6 ± 3.0	7.4 ± 3.0	
	PCT % *	0.056 ± 0.050	0.196 ± 0.100	0.363 ± 0.200	
	PDW *	16.6 ± 3.0	15.8 ± 3.0	15.7 ± 3.0	
	Lymph %	59.3 ± 12.0	27.7 ± 8.0	12.5 ± 6.0	
	Mid %	10.4 ± 9.0	9.4 ± 8.0	4.1 ± 3.0	
	Gran %	30.3 ± 9.0	62.9 ± 7.0	83.4 ± 8.0	
	Lymph × 10 ³ /μL	1.3 ± 0.3	2.2 ± 0.7	2.7 ± 1.3	
	Mid × 10 ³ /μL	0.2 ± 0.2	0.8 ± 0.7	0.9 ± 0.7	
	Gran × 10 ³ /μL	0.7 ± 0.2	5.1 ± 0.6	17.9 ± 1.8	
BC-2800, BC-2600 (Software version 2.0 or higher)	WBC × 10 ³ /μL	2.1 ± 0.5	7.8 ± 1.0	21.2 ± 2.5	
	RBC × 10 ⁶ /μL	2.19 ± 0.18	4.73 ± 0.24	5.71 ± 0.30	
	HGB g/dL	5.9 ± 0.4	14.1 ± 0.6	18.7 ± 0.8	
	HCT %	16.8 ± 1.5	40.4 ± 2.0	54.0 ± 2.4	
	MCV fL	76.9 ± 5.0	85.5 ± 5.0	94.5 ± 5.0	
	MCH pg	26.9 ± 2.5	29.8 ± 2.5	32.7 ± 2.5	
	MCHC g/dL	35.0 ± 3.0	34.9 ± 3.0	34.7 ± 3.0	
	RDW-CV	16.2 ± 3.0	14.9 ± 3.0	14.3 ± 3.0	
	RDW-SD	41.6 ± 6.0	42.8 ± 6.0	45.5 ± 8.0	
	PLT × 10 ³ /μL	59 ± 20	256 ± 40	482 ± 60	
	MPV fL	9.3 ± 3.0	9.2 ± 3.0	9.0 ± 3.0	
	PCT % *	0.055 ± 0.050	0.236 ± 0.100	0.434 ± 0.200	
	PDW *	15.1 ± 3.0	14.7 ± 3.0	14.7 ± 3.0	
	Lymph %	62.2 ± 12.0	29.7 ± 8.0	13.6 ± 7.0	
	Mid %	8.5 ± 7.0	7.1 ± 6.0	3.8 ± 3.0	
	Gran %	29.3 ± 10.0	63.2 ± 9.0	82.6 ± 8.0	
	Lymph × 10 ³ /μL	1.3 ± 0.3	2.3 ± 0.7	2.9 ± 1.5	
	Mid × 10 ³ /μL	0.2 ± 0.2	0.6 ± 0.5	0.8 ± 0.7	
	Gran × 10 ³ /μL	0.6 ± 0.2	4.9 ± 0.7	17.5 ± 1.7	

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