

AS904 Rev.012

BC-5D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

 BC2609B


2026-11-10

Instrument	Parameter		Low		Normal		High	
			LOT	BC2609BL	LOT	BC2609BN	LOT	BC2609BH
BC-5300, BC-5100 BC-5380, BC-5180 QC Mode	WBC	$\times 10^9/L$	3.15	± 0.50	7.31	± 1.00	17.02	± 2.50
	Neu#	$\times 10^9/L$	1.64	± 0.40	4.42	± 0.98	11.15	± 2.15
	Lym#	$\times 10^9/L$	1.20	± 0.40	2.23	± 0.75	3.40	± 1.60
	Mon#	$\times 10^9/L$	0.10	± 0.30	0.09	± 0.65	0.41	± 1.10
	Eos#	$\times 10^9/L$	0.21	± 0.20	0.57	± 0.65	2.06	± 1.40
	Bas#	$\times 10^9/L$	1.67	± 0.35	4.66	± 0.80	13.07	± 1.70
	Neu%	%	51.8	± 12.0	60.5	± 12.0	65.5	± 12.0
	Lym%	%	38.1	± 9.0	30.5	± 9.0	20.0	± 9.0
	Mon%	%	3.3	± 5.0	1.2	± 6.0	2.4	± 6.0
	Eos%	%	6.8	± 5.5	7.8	± 6.5	12.1	± 8.0
	Bas%	%	53.0	± 10.0	63.7	± 10.0	76.8	± 10.0
	RBC	$\times 10^{12}/L$	2.35	± 0.18	4.07	± 0.24	5.00	± 0.30
	HGB	g/L	62	± 4	120	± 6	159	± 8
	HCT	%	20.0	± 2.0	38.9	± 3.0	51.7	± 4.0
	MCV	fL	85.0	± 5.0	95.6	± 5.0	103.3	± 5.0
	MCH	pg	26.4	± 2.5	29.5	± 2.5	31.8	± 2.5
	MCHC	g/L	310	± 30	308	± 30	308	± 30
	RDW-CV	%	16.9	± 3.0	14.6	± 3.0	14.2	± 3.0
	RDW-SD	fL	60.1	± 10.0	58.1	± 10.0	60.8	± 12.0
	PLT	$\times 10^9/L$	39	± 20	245	± 40	494	± 60
	MPV	fL	8.6	± 3.0	8.6	± 3.0	9.0	± 3.0
	PCT*	%	0.034	± 0.050	0.211	± 0.100	0.445	± 0.200
	PDW*	/	16.4	± 3.0	16.1	± 3.0	16.1	± 3.0
BC-5000, BC-5150, Counter 29, BC-5120, BC-5130, BC- 5140, BC-5000VET QC Mode	WBC	$\times 10^9/L$	3.38	± 0.50	7.53	± 1.00	17.50	± 2.50
	Neu#	$\times 10^9/L$	1.58	± 0.40	4.35	± 0.98	11.01	± 2.15
	Lym#	$\times 10^9/L$	1.34	± 0.40	2.34	± 0.75	3.40	± 1.60
	Mon#	$\times 10^9/L$	0.23	± 0.23	0.24	± 0.24	0.84	± 0.84
	Eos#	$\times 10^9/L$	0.20	± 0.20	0.52	± 0.52	1.93	± 1.40
	Bas#	$\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.32	± 0.32
	Neu%	%	46.5	± 12.0	57.8	± 12.0	63.0	± 12.0
	Lym%	%	39.7	± 9.0	31.1	± 9.0	19.4	± 9.0
	Mon%	%	6.9	± 5.0	3.2	± 3.2	4.8	± 4.8
	Eos%	%	6.0	± 5.5	6.9	± 6.5	11.0	± 8.0
	Bas%	%	0.9	± 0.9	1.0	± 1.0	1.8	± 1.8
	RBC	$\times 10^{12}/L$	2.35	± 0.18	4.12	± 0.24	5.08	± 0.30
	HGB	g/L	62	± 4	123	± 6	163	± 8
	HCT	%	19.8	± 2.0	38.7	± 3.0	51.0	± 4.0
	MCV	fL	84.3	± 5.0	93.9	± 5.0	100.4	± 5.0
	MCH	pg	26.4	± 2.5	29.9	± 2.5	32.1	± 2.5
	MCHC	g/L	313	± 30	318	± 30	320	± 30
	RDW-CV	%	20.9	± 3.0	17.1	± 3.0	16.5	± 3.0
	RDW-SD	fL	63.0	± 10.0	57.7	± 10.0	59.8	± 12.0
	PLT	$\times 10^9/L$	41	± 20	252	± 40	507	± 60
	MPV	fL	10.1	± 3.0	10.3	± 3.0	10.9	± 3.0
	PCT*	%	0.041	± 0.041	0.260	± 0.100	0.553	± 0.200
	PDW*	/	15.9	± 3.0	16.0	± 3.0	16.3	± 3.0
	P-LCC**	$\times 10^9/L$	12	± 12	69	± 25	163	± 35
	P-LCR**	%	29.7	± 10.0	27.3	± 10.0	32.2	± 10.0

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Instrument	Parameter		Low		Normal		High	
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BC-5800, BC-5600 QC Mode	WBC	$\times 10^9/L$	3.42	± 0.50	7.63	± 1.00	17.82	± 2.50
	Neu#	$\times 10^9/L$	1.53	± 0.40	4.18	± 0.98	11.01	± 2.15
	Lym#	$\times 10^9/L$	1.46	± 0.40	2.56	± 0.75	3.94	± 1.60
	Mon#	$\times 10^9/L$	0.23	± 0.23	0.34	± 0.34	0.93	± 0.93
	Eos#	$\times 10^9/L$	0.17	± 0.17	0.47	± 0.47	1.76	± 1.40
	Bas#	$\times 10^9/L$	0.03	± 0.03	0.08	± 0.08	0.18	± 0.18
	Neu%	%	44.7	± 12.0	54.9	± 12.0	61.8	± 12.0
	Lym%	%	42.7	± 9.0	33.6	± 9.0	22.1	± 9.0
	Mon%	%	6.6	± 5.0	4.4	± 4.4	5.2	± 5.2
	Eos%	%	5.0	± 5.0	6.1	± 6.1	9.9	± 8.0
	Bas%	%	1.0	± 1.0	1.0	± 1.0	1.0	± 1.0
	RBC	$\times 10^{12}/L$	2.37	± 0.18	4.09	± 0.24	5.04	± 0.30
	HGB	g/L	66	± 4	130	± 6	171	± 8
	HCT	%	20.2	± 2.0	39.1	± 3.0	52.2	± 4.0
	MCV	fL	85.1	± 5.0	95.6	± 5.0	103.6	± 5.0
	MCH	pg	27.8	± 2.5	31.8	± 2.5	33.9	± 2.5
	MCHC	g/L	327	± 30	332	± 30	327	± 30
	RDW-CV	%	16.9	± 3.0	14.1	± 3.0	13.7	± 3.0
	RDW-SD	fL	50.9	± 10.0	48.9	± 10.0	51.6	± 12.0
	PLT	$\times 10^9/L$	44	± 20	251	± 40	499	± 60
	MPV	fL	8.1	± 3.0	8.3	± 3.0	8.9	± 3.0
	PCT*	%	0.036	± 0.036	0.208	± 0.100	0.444	± 0.200
	PDW*	/	16.9	± 3.0	15.9	± 3.0	16.0	± 3.0
	P-LCC**	$\times 10^9/L$	11	± 11	47	± 25	116	± 35
	P-LCR**	%	24.6	± 10.0	18.8	± 10.0	23.3	± 10.0
BC-5390 CRP BC-5310 CRP QC Mode	WBC	$\times 10^9/L$	3.26	± 0.50	7.41	± 1.00	17.06	± 2.50
	Neu#	$\times 10^9/L$	1.61	± 0.40	4.38	± 0.98	11.10	± 2.15
	Lym#	$\times 10^9/L$	1.30	± 0.40	2.27	± 0.75	3.45	± 1.60
	Mon#	$\times 10^9/L$	0.16	± 0.30	0.26	± 0.65	0.68	± 1.10
	Eos#	$\times 10^9/L$	0.19	± 0.20	0.50	± 0.65	1.83	± 1.40
	Bas#	$\times 10^9/L$	0.75	± 0.35	1.95	± 0.80	5.14	± 1.70
	Neu%	%	49.6	± 12.0	59.1	± 12.0	65.1	± 12.0
	Lym%	%	39.9	± 9.0	30.7	± 9.0	20.2	± 9.0
	Mon%	%	4.8	± 5.0	3.5	± 6.0	4.0	± 6.0
	Eos%	%	5.7	± 5.5	6.7	± 6.5	10.7	± 8.0
	Bas%	%	23.0	± 10.0	26.3	± 10.0	30.1	± 10.0
	RBC	$\times 10^{12}/L$	2.31	± 0.18	4.05	± 0.24	4.98	± 0.30
	HGB	g/L	61	± 4	120	± 6	159	± 8
	HCT	%	19.3	± 2.0	38.0	± 3.0	50.9	± 4.0
	MCV	fL	83.7	± 5.0	93.9	± 5.0	102.2	± 5.0
	MCH	pg	26.4	± 2.5	29.6	± 2.5	31.9	± 2.5
	MCHC	g/L	315	± 30	316	± 30	312	± 30
	RDW-CV	%	17.2	± 3.0	14.7	± 3.0	14.0	± 3.0
	RDW-SD	fL	50.3	± 10.0	47.8	± 10.0	50.1	± 12.0
	PLT	$\times 10^9/L$	38	± 20	243	± 40	492	± 60
	MPV	fL	9.4	± 3.0	9.1	± 3.0	9.6	± 3.0
	PCT*	%	0.036	± 0.050	0.221	± 0.100	0.472	± 0.200
	PDW*	/	16.5	± 3.0	16.1	± 3.0	16.1	± 3.0
	P-LCC**	$\times 10^9/L$	9	± 15	46	± 25	111	± 35
	P-LCR**	%	24.2	± 10.0	18.9	± 10.0	22.6	± 10.0