

HC5D-B

(Cat No.1510)

For MINDRAY
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT E5235

EXP. 2026-03-16

Instrument	Parameter	Low	Normal	High
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L	3.63 ± 0.50	8.72 ± 1.00	21.20 ± 2.50 +
	Neu x 10 ⁹ /L	1.58 ± 0.35	4.19 ± 0.66	11.87 ± 1.53
	Lym x 10 ⁹ /L	1.63 ± 0.31	3.36 ± 0.66	5.83 ± 1.53
	Mon x 10 ⁹ /L	0.18 ± 0.11	0.52 ± 0.21	1.27 ± 0.59
	Eos x 10 ⁹ /L	0.20 ± 0.14	0.57 ± 0.41	2.01 ± 1.14
	Bas x 10 ⁹ /L	0.04 ± 0.04	0.09 ± 0.09	0.21 ± 0.21
	Neu %	43.5 ± 10.0	48.0 ± 8.0	56.0 ± 8.0
	Lym %	45.0 ± 9.0	38.5 ± 8.0	27.5 ± 8.0
	Mon %	5.0 ± 3.0	6.0 ± 2.0	6.0 ± 3.0
	Eos %	5.5 ± 4.0	6.5 ± 5.0	9.5 ± 6.0
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0
	RBC x 10 ¹² /L	2.38 ± 0.18	4.75 ± 0.24	5.60 ± 0.30
	HGB g/dL	6.5 ± 0.4	13.8 ± 0.6	17.3 ± 0.8
	HCT %	19.9 ± 1.5	41.2 ± 2.0	51.6 ± 2.4
	MCV fL	83.5 ± 5.0	86.5 ± 5.0	92.0 ± 5.0
	MCH pg	27.1 ± 2.5	28.8 ± 2.5	30.6 ± 2.5
	MCHC g/dL	32.4 ± 3.0	33.4 ± 3.0	33.5 ± 3.0
	RDW-CV %	16.6 ± 3.0	15.1 ± 3.0	14.7 ± 3.0
	RDW-SD fL	52.2 ± 8.0	49.4 ± 8.0	51.1 ± 8.0
	PLT x 10 ⁹ /L	58 ± 20	268 ± 40	555 ± 60
	MPV fL	8.0 ± 3.0	8.1 ± 3.0	8.3 ± 3.0
	PCT % *	0.049 ± 0.040	0.223 ± 0.100	0.470 ± 0.300
	PDW *	16.4 ± 3.0	16.0 ± 3.0	16.0 ± 3.0
	P-LCC x 10 ⁹ /L	15.0 ± 9.0	62.0 ± 45	139 ± 55
	P-LCR %	24.1 ± 14.0	22.6 ± 17.0	24.6 ± 15.0
BC-5300, BC-5100 BC-5380, BC-5180 QC Mode	WBC x 10 ⁹ /L	3.53 ± 0.50	8.58 ± 1.00	20.41 ± 2.50
	Neu x 10 ⁹ /L	1.73 ± 0.35	5.15 ± 0.74	13.57 ± 1.51
	Lym x 10 ⁹ /L	1.41 ± 0.35	2.40 ± 0.74	4.08 ± 1.51
	Mon x 10 ⁹ /L	0.18 ± 0.12	0.43 ± 0.27	0.92 ± 0.74
	Eos x 10 ⁹ /L	0.21 ± 0.16	0.60 ± 0.33	1.84 ± 1.14
	Bas x 10 ⁹ /L	1.84 ± 0.45	5.55 ± 1.24	15.47 ± 1.89
	Neu %	49.0 ± 10.0	60.0 ± 9.0	66.5 ± 8.0
	Lym %	40.0 ± 10.0	28.0 ± 9.0	20.0 ± 8.0
	Mon %	5.0 ± 4.0	5.0 ± 3.0	4.5 ± 4.0
	Eos %	6.0 ± 4.0	7.0 ± 4.0	9.0 ± 6.0
	Bas %	52.0 ± 13.0	64.7 ± 15.0	75.8 ± 10.0
	RBC x 10 ¹² /L	2.31 ± 0.18	4.70 ± 0.24	5.52 ± 0.30
	HGB g/dL	6.2 ± 0.4	13.7 ± 0.6	17.2 ± 0.8
	HCT %	19.2 ± 1.5	40.4 ± 2.0	50.2 ± 2.4
	MCV fL	83.0 ± 5.0	86.0 ± 5.0	91.0 ± 5.0
	MCH pg	26.8 ± 2.5	29.1 ± 2.5	31.1 ± 2.5
	MCHC g/dL	32.3 ± 3.0	33.9 ± 3.0	34.3 ± 3.0
	RDW-CV %	16.0 ± 3.0	14.7 ± 3.0	14.5 ± 3.0
	RDW-SD fL	55.3 ± 8.0	52.5 ± 8.0	54.6 ± 8.0
	PLT x 10 ⁹ /L	55 ± 20	250 ± 40	515 ± 60
	MPV fL	8.6 ± 3.0	8.3 ± 3.0	8.4 ± 3.0
	PCT % *	0.047 ± 0.032	0.200 ± 0.100	0.414 ± 0.200
	PDW *	16.0 ± 3.0	16.2 ± 3.0	16.2 ± 3.0

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Instrument	Parameter	Low	Normal	High	
BC-5390 QC Mode	WBC x 10 ⁹ /L	3.54 ± 0.50	8.88 ± 1.00	21.35 ± 2.50	++
	Neu x 10 ⁹ /L	1.65 ± 0.32	4.48 ± 0.67	13.13 ± 1.75	
	Lym x 10 ⁹ /L	1.42 ± 0.32	2.71 ± 0.67	4.38 ± 1.55	
	Mon x 10 ⁹ /L	0.27 ± 0.13	1.02 ± 0.51	1.71 ± 0.97	
	Eos x 10 ⁹ /L	0.21 ± 0.18	0.67 ± 0.42	2.14 ± 1.17	
	Bas x 10 ⁹ /L	1.00 ± 0.36	2.57 ± 0.84	6.51 ± 1.94	
	Neu %	46.5 ± 9.0	50.5 ± 8.0	61.5 ± 9.0	
	Lym %	40.0 ± 9.0	30.5 ± 8.0	20.5 ± 8.0	
	Mon %	7.5 ± 3.0	11.5 ± 6.0	8.0 ± 5.0	
	Eos %	6.0 ± 5.0	7.5 ± 5.0	10.0 ± 6.0	
	Bas %	28.2 ± 10.0	28.9 ± 10.0	30.5 ± 10.0	
	RBC x 10 ¹² /L	2.30 ± 0.18	4.74 ± 0.24	5.48 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.7 ± 0.6	17.2 ± 0.8	
	HCT %	19.1 ± 1.5	40.8 ± 2.0	49.7 ± 2.4	
	MCV fL	83.0 ± 5.0	86.0 ± 5.0	91.0 ± 5.0	
	MCH pg	26.9 ± 2.5	28.9 ± 2.5	31.4 ± 2.5	
	MCHC g/dL	32.5 ± 3.0	33.6 ± 3.0	34.6 ± 3.0	
	RDW-CV %	16.7 ± 3.0	15.3 ± 3.0	15.2 ± 3.0	
	RDW-SD fL	50.7 ± 8.0	48.4 ± 8.0	50.8 ± 8.0	
	PLT x 10 ⁹ /L	54 ± 20	256 ± 40	529 ± 60	
	MPV fL	9.5 ± 3.0	9.4 ± 3.0	9.5 ± 3.0	
BC-5390 CRP QC Mode	WBC x 10 ⁹ /L	3.57 ± 0.50	8.85 ± 1.00	21.45 ± 2.50	
	Neu x 10 ⁹ /L	1.64 ± 0.32	4.47 ± 0.67	13.19 ± 1.75	
	Lym x 10 ⁹ /L	1.43 ± 0.32	2.66 ± 0.67	4.40 ± 1.55	
	Mon x 10 ⁹ /L	0.29 ± 0.13	1.02 ± 0.51	1.82 ± 0.97	
	Eos x 10 ⁹ /L	0.21 ± 0.18	0.71 ± 0.42	2.04 ± 1.17	
	Bas x 10 ⁹ /L	0.98 ± 0.36	2.55 ± 0.84	6.65 ± 1.94	
	Neu %	46.0 ± 9.0	50.5 ± 8.0	61.5 ± 9.0	
	Lym %	40.0 ± 9.0	30.0 ± 8.0	20.5 ± 8.0	
	Mon %	8.0 ± 3.0	11.5 ± 6.0	8.5 ± 5.0	
	Eos %	6.0 ± 5.0	8.0 ± 5.0	9.5 ± 6.0	
	Bas %	27.5 ± 10.0	28.8 ± 10.0	31.0 ± 10.0	
	RBC x 10 ¹² /L	2.29 ± 0.18	4.71 ± 0.24	5.52 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.6 ± 0.6	17.2 ± 0.8	
	HCT %	18.9 ± 1.5	40.1 ± 2.0	50.0 ± 2.4	
	MCV fL	83.0 ± 5.0	85.6 ± 5.0	90.6 ± 5.0	
	MCH pg	27.1 ± 2.5	28.9 ± 2.5	31.1 ± 2.5	
	MCHC g/dL	32.8 ± 3.0	33.9 ± 3.0	34.4 ± 3.0	
	RDW-CV %	16.8 ± 3.0	15.3 ± 3.0	15.1 ± 3.0	
	RDW-SD fL	50.8 ± 8.0	48.1 ± 8.0	50.7 ± 8.0	
	PLT x 10 ⁹ /L	54 ± 20	252 ± 40	530 ± 60	
	MPV fL	9.8 ± 3.0	9.3 ± 3.0	9.5 ± 3.0	

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BC-5000, BC-5150, BC-5140 BC-5130, BC-5120, BC-5000Vet QC Mode	WBC x 10 ⁹ /L	3.58 ± 0.50	8.79 ± 1.00	20.87 ± 2.50	+++
	Neu x 10 ⁹ /L	1.58 ± 0.46	4.53 ± 0.98	12.00 ± 2.27	
	Lym x 10 ⁹ /L	1.47 ± 0.39	2.72 ± 0.82	4.59 ± 1.70	
	Mon x 10 ⁹ /L	0.29 ± 0.18	0.75 ± 0.41	1.77 ± 1.09	
	Eos x 10 ⁹ /L	0.21 ± 0.14	0.66 ± 0.49	2.19 ± 1.70	
	Bas x 10 ⁹ /L	0.04 ± 0.03	0.13 ± 0.10	0.31 ± 0.28	
	Neu %	44.0 ± 12.0	51.5 ± 12.0	57.5 ± 12.0	
	Lym %	41.0 ± 11.0	31.0 ± 10.0	22.0 ± 9.0	
	Mon %	8.0 ± 5.0	8.5 ± 5.0	8.5 ± 5.0	
	Eos %	6.0 ± 4.0	7.5 ± 6.0	10.5 ± 9.0	
	Bas %	1.0 ± 0.9	1.5 ± 1.2	1.5 ± 1.5	
	RBC x 10 ¹² /L	2.30 ± 0.18	4.71 ± 0.24	5.49 ± 0.30	
	HGB g/dL	6.2 ± 0.4	13.4 ± 0.6	16.8 ± 0.8	
	HCT %	19.4 ± 1.5	41.4 ± 2.0	51.2 ± 2.4	
	MCV fL	84.5 ± 5.0	88.0 ± 5.0	93.0 ± 5.0	
	MCH pg	26.9 ± 2.5	28.5 ± 2.5	30.6 ± 2.5	
	MCHC g/dL	32.0 ± 3.0	32.4 ± 3.0	32.8 ± 3.0	
	RDW-CV %	19.7 ± 3.0	17.5 ± 3.0	16.9 ± 3.0	
	RDW-SD fL	51.5 ± 8.0	47.8 ± 8.0	49.1 ± 8.0	
	PLT x 10 ⁹ /L	55 ± 20	255 ± 40	530 ± 60	
	MPV fL	8.8 ± 3.0	8.4 ± 3.0	8.4 ± 3.0	
	PCT %	0.049 ± 0.033	0.213 ± 0.100	0.451 ± 0.200	
	PDW *	15.6 ± 3.0	15.8 ± 3.0	16.0 ± 3.0	