

HC5D-B

(Cat No.1510)

For MINDRAY
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT E5225

EXP. 2025-11-16

Instrument	Parameter	Low	Normal	High
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L	3.62 ± 0.50	8.24 ± 1.00	19.65 ± 2.50 +
	Neu x 10 ⁹ /L	1.64 ± 0.35	4.12 ± 0.66	11.59 ± 1.53
	Lym x 10 ⁹ /L	1.61 ± 0.31	3.21 ± 0.66	5.60 ± 1.53
	Mon x 10 ⁹ /L	0.11 ± 0.11	0.21 ± 0.21	0.69 ± 0.59
	Eos x 10 ⁹ /L	0.22 ± 0.14	0.62 ± 0.41	1.57 ± 1.14
	Bas x 10 ⁹ /L	0.04 ± 0.04	0.08 ± 0.08	0.20 ± 0.20
	Neu %	45.5 ± 10.0	50.0 ± 8.0	59.0 ± 8.0
	Lym %	44.5 ± 9.0	39.0 ± 8.0	28.5 ± 8.0
	Mon %	3.0 ± 3.0	2.5 ± 2.0	3.5 ± 3.0
	Eos %	6.0 ± 4.0	7.5 ± 5.0	8.0 ± 6.0
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0
	RBC x 10 ¹² /L	2.35 ± 0.18	4.69 ± 0.24	5.62 ± 0.30
	HGB g/dL	6.1 ± 0.4	13.1 ± 0.6	16.6 ± 0.8
	HCT %	18.6 ± 1.5	40.3 ± 2.0	50.5 ± 2.4
	MCV fL	79.0 ± 5.0	86.0 ± 5.0	90.0 ± 5.0
	MCH pg	25.9 ± 2.5	28.0 ± 2.5	29.4 ± 2.5
	MCHC g/dL	32.8 ± 3.0	32.5 ± 3.0	32.9 ± 3.0
	RDW-CV %	17.0 ± 3.0	14.6 ± 3.0	14.8 ± 3.0
	RDW-SD fL	48.1 ± 8.0	45.9 ± 8.0	49.3 ± 8.0
	PLT x 10 ⁹ /L	55 ± 20	255 ± 40	550 ± 60
	MPV fL	8.3 ± 3.0	8.7 ± 3.0	8.7 ± 3.0
	PCT % *	0.047 ± 0.040	0.232 ± 0.100	0.500 ± 0.300
	PDW *	16.2 ± 3.0	16.1 ± 3.0	16.1 ± 3.0
	P-LCC x 10 ⁹ /L	15.3 ± 9.0	76.3 ± 45	162 ± 55
	P-LCR %	26.8 ± 14.0	28.7 ± 17.0	28.2 ± 15.0
BC-5300, BC-5100 BC-5380, BC-5180 QC Mode	WBC x 10 ⁹ /L	3.52 ± 0.50	8.37 ± 1.00	19.61 ± 2.50
	Neu x 10 ⁹ /L	1.76 ± 0.35	5.27 ± 0.74	13.33 ± 1.51
	Lym x 10 ⁹ /L	1.28 ± 0.35	2.34 ± 0.74	3.63 ± 1.51
	Mon x 10 ⁹ /L	0.16 ± 0.12	0.42 ± 0.27	1.08 ± 0.74
	Eos x 10 ⁹ /L	0.32 ± 0.17	0.33 ± 0.33	1.57 ± 1.14
	Bas x 10 ⁹ /L	1.91 ± 0.45	4.75 ± 1.24	15.30 ± 1.89
	Neu %	50.0 ± 10.0	63.0 ± 9.0	68.0 ± 8.0
	Lym %	36.5 ± 10.0	28.0 ± 9.0	18.5 ± 8.0
	Mon %	4.5 ± 4.1	5.0 ± 3.0	5.5 ± 4.0
	Eos %	9.0 ± 5.0	4.0 ± 4.0	8.0 ± 6.0
	Bas %	54.3 ± 13.0	56.7 ± 15.0	78.0 ± 10.0
	RBC x 10 ¹² /L	2.24 ± 0.18	4.55 ± 0.24	5.50 ± 0.30
	HGB g/dL	5.8 ± 0.4	13.1 ± 0.6	16.7 ± 0.8
	HCT %	19.3 ± 1.5	43.2 ± 2.0	55.6 ± 2.4
	MCV fL	86.0 ± 5.0	95.0 ± 5.0	101.0 ± 5.0
	MCH pg	25.9 ± 2.5	28.8 ± 2.5	31.2 ± 2.5
	MCHC g/dL	30.1 ± 3.0	30.3 ± 3.0	30.0 ± 3.0
	RDW-CV %	16.4 ± 3.0	14.7 ± 3.0	14.6 ± 3.0
	RDW-SD fL	53.0 ± 8.0	52.0 ± 8.0	54.8 ± 8.0
	PLT x 10 ⁹ /L	54 ± 20	245 ± 40	543 ± 60
	MPV fL	8.5 ± 3.0	8.6 ± 3.0	8.4 ± 3.0
	PCT % *	0.046 ± 0.032	0.211 ± 0.100	0.453 ± 0.200
	PDW *	15.8 ± 3.0	16.0 ± 3.0	16.1 ± 3.0

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Instrument	Parameter	Low	Normal	High	
BC-5390 QC Mode	WBC x 10 ⁹ /L	3.52 ± 0.50	8.71 ± 1.00	20.25 ± 2.50	++
	Neu x 10 ⁹ /L	1.59 ± 0.32	4.68 ± 0.67	12.47 ± 1.75	
	Lym x 10 ⁹ /L	1.4 ± 0.32	2.59 ± 0.67	4.39 ± 1.55	
	Mon x 10 ⁹ /L	0.26 ± 0.13	0.71 ± 0.51	1.52 ± 0.97	
	Eos x 10 ⁹ /L	0.26 ± 0.18	0.73 ± 0.42	1.86 ± 1.17	
	Bas x 10 ⁹ /L	0.93 ± 0.36	2.50 ± 0.84	6.34 ± 1.94	
	Neu %	45.4 ± 9.0	53.8 ± 8.0	61.6 ± 9.0	
	Lym %	39.8 ± 9.0	29.7 ± 8.0	21.7 ± 8.0	
	Mon %	7.3 ± 3.0	8.1 ± 6.0	7.5 ± 5.0	
	Eos %	7.5 ± 5.0	8.4 ± 5.0	9.2 ± 6.0	
	Bas %	26.4 ± 10.0	28.7 ± 10.0	31.3 ± 10.0	
	RBC x 10 ¹² /L	2.28 ± 0.18	4.65 ± 0.24	5.55 ± 0.30	
	HGB g/dL	5.8 ± 0.4	13.2 ± 0.6	17.1 ± 0.8	
	HCT %	18.0 ± 1.5	39.3 ± 2.0	49.3 ± 2.4	
	MCV fL	79.0 ± 5.0	84.5 ± 5.0	89.0 ± 5.0	
	MCH pg	25.4 ± 2.5	28.5 ± 2.5	30.8 ± 2.5	
	MCHC g/dL	32.2 ± 3.0	33.7 ± 3.0	34.6 ± 3.0	
	RDW-CV %	16.5 ± 3.0	14.9 ± 3.0	15.1 ± 3.0	
	RDW-SD fL	47.9 ± 8.0	46.3 ± 8.0	49.6 ± 8.0	
	PLT x 10 ⁹ /L	48 ± 20	250 ± 40	552 ± 60	
	MPV fL	10.0 ± 3.0	10.1 ± 3.0	9.8 ± 3.0	
BC-5390 CRP QC Mode	WBC x 10 ⁹ /L	3.53 ± 0.50	8.75 ± 1.00	20.28 ± 2.50	
	Neu x 10 ⁹ /L	1.55 ± 0.32	4.76 ± 0.67	12.43 ± 1.75	
	Lym x 10 ⁹ /L	1.44 ± 0.32	2.49 ± 0.67	4.56 ± 1.55	
	Mon x 10 ⁹ /L	0.28 ± 0.13	0.76 ± 0.51	1.46 ± 0.97	
	Eos x 10 ⁹ /L	0.25 ± 0.18	0.74 ± 0.42	1.83 ± 1.17	
	Bas x 10 ⁹ /L	0.94 ± 0.36	2.49 ± 0.84	6.37 ± 1.94	
	Neu %	44.0 ± 9.0	54.4 ± 8.0	61.3 ± 9.0	
	Lym %	40.9 ± 9.0	28.4 ± 8.0	22.5 ± 8.0	
	Mon %	7.9 ± 3.0	8.7 ± 6.0	7.2 ± 5.0	
	Eos %	7.2 ± 5.0	8.5 ± 5.0	9.0 ± 6.0	
	Bas %	26.6 ± 10.0	28.4 ± 10.0	31.4 ± 10.0	
	RBC x 10 ¹² /L	2.28 ± 0.18	4.63 ± 0.24	5.49 ± 0.30	
	HGB g/dL	5.8 ± 0.4	13.2 ± 0.6	17.1 ± 0.8	
	HCT %	17.9 ± 1.5	39.1 ± 2.0	48.6 ± 2.4	
	MCV fL	78.5 ± 5.0	84.4 ± 5.0	88.5 ± 5.0	
	MCH pg	25.3 ± 2.5	28.6 ± 2.5	31.1 ± 2.5	
	MCHC g/dL	32.2 ± 3.0	33.8 ± 3.0	35.1 ± 3.0	
	RDW-CV %	16.7 ± 3.0	14.8 ± 3.0	15.0 ± 3.0	
	RDW-SD fL	48.1 ± 8.0	46.3 ± 8.0	49.2 ± 8.0	
	PLT x 10 ⁹ /L	48 ± 20	252 ± 40	555 ± 60	
	MPV fL	10.3 ± 3.0	10.1 ± 3.0	9.7 ± 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	3.49 ± 0.50	8.09 ± 1.00	18.69 ± 2.50	+++
	Neu x 10 ⁹ /L	1.62 ± 0.46	4.21 ± 0.98	11.03 ± 2.27	
	Lym x 10 ⁹ /L	1.38 ± 0.39	2.51 ± 0.82	3.92 ± 1.70	
	Mon x 10 ⁹ /L	0.26 ± 0.18	0.61 ± 0.41	1.59 ± 1.09	
	Eos x 10 ⁹ /L	0.19 ± 0.14	0.65 ± 0.49	1.87 ± 1.70	
	Bas x 10 ⁹ /L	0.03 ± 0.03	0.12 ± 0.10	0.28 ± 0.28	
	Neu %	46.5 ± 12.0	52.0 ± 12.0	59.0 ± 12.0	
	Lym %	39.5 ± 11.0	31.0 ± 10.0	21.0 ± 9.0	
	Mon %	7.5 ± 5.0	7.5 ± 5.0	8.5 ± 5.0	
	Eos %	5.5 ± 4.0	8.0 ± 6.0	10.0 ± 9.0	
	Bas %	1.0 ± 0.9	1.5 ± 1.2	1.5 ± 1.5	
	RBC x 10 ¹² /L	2.25 ± 0.18	4.65 ± 0.24	5.56 ± 0.30	
	HGB g/dL	5.9 ± 0.4	13.2 ± 0.6	16.9 ± 0.8	
	HCT %	18.1 ± 1.5	40.7 ± 2.0	51.2 ± 2.4	
	MCV fL	80.5 ± 5.0	87.5 ± 5.0	92.0 ± 5.0	
	MCH pg	26.2 ± 2.5	28.4 ± 2.5	30.3 ± 2.5	
	MCHC g/dL	32.6 ± 3.0	32.4 ± 3.0	33.0 ± 3.0	
	RDW-CV %	19.4 ± 3.0	16.9 ± 3.0	17.2 ± 3.0	
	RDW-SD fL	49.0 ± 8.0	46.4 ± 8.0	49.6 ± 8.0	
	PLT x 10 ⁹ /L	53 ± 20	256 ± 40	555 ± 60	
	MPV fL	8.9 ± 3.0	8.8 ± 3.0	8.7 ± 3.0	
	PCT %	0.047 ± 0.033	0.226 ± 0.100	0.494 ± 0.200	
	PDW *	15.4 ± 3.0	15.8 ± 3.0	16.1 ± 3.0	