

HC5D-B

(Cat No.1510)

For MINDRAY
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT E5213-02

EXP. 2025-05-16

Instrument	Parameter	Low	Normal	High
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L	3.66 ± 0.50	8.24 ± 1.00	19.59 ± 2.50 +
	Neu x 10 ⁹ /L	1.72 ± 0.35	4.28 ± 0.66	11.75 ± 1.53
	Lym x 10 ⁹ /L	1.52 ± 0.31	2.43 ± 0.66	4.70 ± 1.53
	Mon x 10 ⁹ /L	0.20 ± 0.11	0.70 ± 0.35	0.59 ± 0.59
	Eos x 10 ⁹ /L	0.18 ± 0.14	0.74 ± 0.41	2.35 ± 1.14
	Bas x 10 ⁹ /L	0.04 ± 0.04	0.08 ± 0.08	0.20 ± 0.20
	Neu %	47.0 ± 10.0	52.0 ± 8.0	60.0 ± 8.0
	Lym %	41.5 ± 9.0	29.5 ± 8.0	24.0 ± 8.0
	Mon %	5.5 ± 3.5	8.5 ± 4.3	3.0 ± 3.0
	Eos %	5.0 ± 4.0	9.0 ± 5.0	12.0 ± 6.0
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0
	RBC x 10 ¹² /L	2.37 ± 0.18	4.70 ± 0.24	5.48 ± 0.30
	HGB g/dL	6.1 ± 0.4	13.7 ± 0.6	17.4 ± 0.8
	HCT %	18.7 ± 1.5	40.9 ± 2.0	51.2 ± 2.4
	MCV fL	78.9 ± 5.0	87.2 ± 5.0	93.5 ± 5.0
	MCH pg	25.7 ± 2.5	29.1 ± 2.5	31.8 ± 2.5
	MCHC g/dL	32.6 ± 3.0	33.5 ± 3.0	33.9 ± 3.0
	RDW-CV %	16.1 ± 3.0	14.7 ± 3.0	14.0 ± 3.0
	RDW-SD fL	47.9 ± 8.0	48.5 ± 8.0	49.9 ± 8.0
	PLT x 10 ⁹ /L	59 ± 20	280 ± 40	596 ± 60
	MPV fL	7.3 ± 3.0	7.7 ± 3.0	7.4 ± 3.0
	PCT % *	0.043 ± 0.040	0.217 ± 0.100	0.447 ± 0.300
	PDW *	16.0 ± 3.0	16.0 ± 3.0	16.0 ± 3.0
	P-LCC x 10 ⁹ /L	10.3 ± 10	56.3 ± 45	105 ± 55
	P-LCR %	17.2 ± 15.0	20.0 ± 20.0	17.3 ± 15.0
BC-5300, BC-5100 BC-5380, BC-5180 QC Mode	WBC x 10 ⁹ /L	3.69 ± 0.50	8.45 ± 1.00	19.95 ± 2.50
	Neu x 10 ⁹ /L	1.88 ± 0.35	4.90 ± 0.74	12.97 ± 1.51
	Lym x 10 ⁹ /L	1.38 ± 0.35	2.32 ± 0.74	3.59 ± 1.51
	Mon x 10 ⁹ /L	0.18 ± 0.12	0.55 ± 0.33	1.00 ± 0.74
	Eos x 10 ⁹ /L	0.24 ± 0.17	0.68 ± 0.58	2.39 ± 1.14
	Bas x 10 ⁹ /L	2.03 ± 0.45	5.70 ± 1.24	15.46 ± 1.89
	Neu %	51.0 ± 10.0	58.0 ± 9.0	65.0 ± 8.0
	Lym %	37.5 ± 10.0	27.5 ± 9.0	18.0 ± 8.0
	Mon %	5.0 ± 4.3	6.5 ± 4.2	5.0 ± 4.0
	Eos %	6.5 ± 5.0	8.0 ± 7.0	12.0 ± 6.0
	Bas %	55.0 ± 13.0	67.5 ± 15.0	77.5 ± 10.0
	RBC x 10 ¹² /L	2.27 ± 0.18	4.55 ± 0.24	5.23 ± 0.30
	HGB g/dL	5.9 ± 0.4	13.3 ± 0.6	16.8 ± 0.8
	HCT %	18.8 ± 1.5	42.5 ± 2.0	52.8 ± 2.4
	MCV fL	82.8 ± 5.0	93.4 ± 5.0	101.0 ± 5.0
	MCH pg	25.9 ± 2.5	29.2 ± 2.5	32.1 ± 2.5
	MCHC g/dL	31.4 ± 3.0	31.3 ± 3.0	31.8 ± 3.0
	RDW-CV %	16.1 ± 3.0	14.4 ± 3.0	13.5 ± 3.0
	RDW-SD fL	52.1 ± 8.0	52.1 ± 8.0	53.2 ± 8.0
	PLT x 10 ⁹ /L	51 ± 20	257 ± 40	522 ± 60
	MPV fL	7.4 ± 3.0	7.7 ± 3.0	7.3 ± 3.0
	PCT % *	0.038 ± 0.032	0.197 ± 0.100	0.380 ± 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	3.71 ± 0.50	8.58 ± 1.00	20.68 ± 2.50	++
	Neu x 10 ⁹ /L	1.80 ± 0.32	4.50 ± 0.67	13.24 ± 1.75	
	Lym x 10 ⁹ /L	1.57 ± 0.32	2.70 ± 0.67	3.83 ± 1.55	
	Mon x 10 ⁹ /L	0.13 ± 0.13	0.56 ± 0.51	1.03 ± 0.97	
	Eos x 10 ⁹ /L	0.21 ± 0.18	0.82 ± 0.42	2.59 ± 1.17	
	Bas x 10 ⁹ /L	1.11 ± 0.36	2.60 ± 0.84	6.51 ± 1.94	
	Neu %	48.6 ± 9.0	52.5 ± 8.0	64.0 ± 9.0	
	Lym %	42.2 ± 9.0	31.5 ± 8.0	18.5 ± 8.0	
	Mon %	3.5 ± 3.0	6.5 ± 6.0	5.0 ± 5.0	
	Eos %	5.7 ± 5.0	9.5 ± 5.0	12.5 ± 6.0	
	Bas %	30.0 ± 10.0	30.3 ± 10.0	31.5 ± 10.0	
	RBC x 10 ¹² /L	2.30 ± 0.18	4.68 ± 0.24	5.39 ± 0.30	
	HGB g/dL	5.8 ± 0.4	13.4 ± 0.6	17.1 ± 0.8	
	HCT %	17.9 ± 1.5	39.6 ± 2.0	49.4 ± 2.4	
	MCV fL	78.0 ± 5.0	84.6 ± 5.0	91.7 ± 5.0	
	MCH pg	25.2 ± 2.5	28.6 ± 2.5	31.7 ± 2.5	
	MCHC g/dL	32.4 ± 3.0	33.8 ± 3.0	34.6 ± 3.0	
	RDW-CV %	16.1 ± 3.0	15.1 ± 3.0	14.3 ± 3.0	
	RDW-SD fL	45.6 ± 8.0	46.9 ± 8.0	48.0 ± 8.0	
	PLT x 10 ⁹ /L	50 ± 20	270 ± 40	560 ± 60	
	MPV fL	8.7 ± 3.0	9.1 ± 3.0	8.3 ± 3.0	
BC-5390 CRP QC Mode	WBC x 10 ⁹ /L	3.68 ± 0.50	8.50 ± 1.00	20.42 ± 2.50	
	Neu x 10 ⁹ /L	1.77 ± 0.35	4.42 ± 0.67	12.86 ± 1.75	
	Lym x 10 ⁹ /L	1.53 ± 0.35	2.59 ± 0.67	3.68 ± 1.75	
	Mon x 10 ⁹ /L	0.15 ± 0.15	0.60 ± 0.50	1.23 ± 0.97	
	Eos x 10 ⁹ /L	0.24 ± 0.18	0.89 ± 0.42	2.65 ± 1.17	
	Bas x 10 ⁹ /L	1.09 ± 0.35	2.55 ± 0.84	6.43 ± 1.95	
	Neu %	48.0 ± 10.0	52.0 ± 8.0	63.0 ± 9.0	
	Lym %	41.5 ± 10.0	30.5 ± 8.0	18.0 ± 9.0	
	Mon %	4.0 ± 4.0	7.0 ± 6.0	6.0 ± 5.0	
	Eos %	6.5 ± 5.0	10.5 ± 5.0	13.0 ± 6.0	
	Bas %	29.5 ± 10.0	30.0 ± 10.0	31.5 ± 10.0	
	RBC x 10 ¹² /L	2.32 ± 0.18	4.68 ± 0.24	5.38 ± 0.30	
	HGB g/dL	5.9 ± 0.4	13.4 ± 0.6	17.1 ± 0.8	
	HCT %	17.9 ± 1.5	39.5 ± 2.0	49.1 ± 2.4	
	MCV fL	77.2 ± 5.0	84.5 ± 5.0	91.3 ± 5.0	
	MCH pg	25.4 ± 2.5	28.6 ± 2.5	31.8 ± 2.5	
	MCHC g/dL	32.9 ± 3.0	33.9 ± 3.0	34.8 ± 3.0	
	RDW-CV %	16.3 ± 3.0	15.0 ± 3.0	14.4 ± 3.0	
	RDW-SD fL	45.9 ± 8.0	46.4 ± 8.0	48.0 ± 8.0	
	PLT x 10 ⁹ /L	51 ± 20	266 ± 40	557 ± 60	
	MPV fL	8.7 ± 3.0	9.0 ± 3.0	8.4 ± 3.0	
	PCT % *	0.044 ± 0.032	0.240 ± 0.100	0.467 ± 0.200	
	PDW *	15.9 ± 3.0	16.2 ± 3.0	16.2 ± 3.0	
	P-LCC x 10 ⁹ /L	9.7 ± 7	56.6 ± 35	95.3 ± 55	
	P-LCR %	18.9 ± 10.0	21.3 ± 10.0	17.1 ± 10.0	

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Instrument	Parameter	Low	Normal	High	
BC-5000, BC-5150, BC-5140 BC-5130, BC-5120, BC-5000Vet QC Mode	WBC x 10 ⁹ /L	3.59 ± 0.50	8.05 ± 1.00	18.22 ± 2.50	+++
	Neu x 10 ⁹ /L	1.63 ± 0.46	4.07 ± 0.98	10.93 ± 2.27	
	Lym x 10 ⁹ /L	1.47 ± 0.39	2.46 ± 0.82	3.64 ± 1.70	
	Mon x 10 ⁹ /L	0.22 ± 0.18	0.60 ± 0.41	1.09 ± 1.09	
	Eos x 10 ⁹ /L	0.23 ± 0.14	0.81 ± 0.49	2.19 ± 1.70	
	Bas x 10 ⁹ /L	0.04 ± 0.04	0.12 ± 0.12	0.36 ± 0.36	
	Neu %	45.5 ± 12.0	50.5 ± 12.0	60.0 ± 12.0	
	Lym %	41.0 ± 11.0	30.5 ± 10.0	20.0 ± 9.0	
	Mon %	6.0 ± 5.0	7.5 ± 5.0	6.0 ± 5.0	
	Eos %	6.5 ± 4.0	10.0 ± 6.0	12.0 ± 9.0	
	Bas %	1.0 ± 1.0	1.5 ± 1.5	2.0 ± 2.0	
	RBC x 10 ¹² /L	2.30 ± 0.18	4.55 ± 0.24	5.21 ± 0.30	
	HGB g/dL	5.9 ± 0.4	13.2 ± 0.6	16.8 ± 0.8	
	HCT %	17.9 ± 1.5	39.8 ± 2.0	49.2 ± 2.4	
	MCV fL	78.0 ± 5.0	87.5 ± 5.0	94.6 ± 5.0	
	MCH pg	25.7 ± 2.5	29.0 ± 2.5	32.2 ± 2.5	
	MCHC g/dL	32.9 ± 3.0	33.2 ± 3.0	34.1 ± 3.0	
	RDW-CV %	19.7 ± 3.0	18.1 ± 3.0	17.3 ± 3.0	
	RDW-SD fL	46.9 ± 8.0	48.1 ± 8.0	49.6 ± 8.0	
	PLT x 10 ⁹ /L	55 ± 20	261 ± 40	548 ± 60	
	MPV fL	7.7 ± 3.0	8.0 ± 3.0	7.5 ± 3.0	
	PCT %	0.041 ± 0.033	0.209 ± 0.10	0.409 ± 0.200	
	PDW *	15.2 ± 3.0	15.8 ± 3.0	15.9 ± 3.0	