

HC5D-B

(Cat No.1510)

For MINDRAY
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT E5216

EXP. 2025-07-16

Instrument	Parameter	Low	Normal	High
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L	3.73 ± 0.50	8.76 ± 1.00	21.85 ± 2.50 +
	Neu x 10 ⁹ /L	1.64 ± 0.35	4.47 ± 0.66	12.13 ± 1.53
	Lym x 10 ⁹ /L	1.60 ± 0.31	3.28 ± 0.66	6.64 ± 1.53
	Mon x 10 ⁹ /L	0.24 ± 0.11	0.35 ± 0.35	0.98 ± 0.59
	Eos x 10 ⁹ /L	0.21 ± 0.14	0.58 ± 0.41	1.88 ± 1.14
	Bas x 10 ⁹ /L	0.04 ± 0.04	0.09 ± 0.09	0.22 ± 0.22
	Neu %	44.0 ± 10.0	51.0 ± 8.0	55.5 ± 8.0
	Lym %	43.0 ± 9.0	37.4 ± 8.0	30.4 ± 8.0
	Mon %	6.5 ± 3.5	4.0 ± 4.0	4.5 ± 3.0
	Eos %	5.5 ± 4.0	6.6 ± 5.0	8.6 ± 6.0
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0
	RBC x 10 ¹² /L	2.38 ± 0.18	4.84 ± 0.24	5.62 ± 0.30
	HGB g/dL	6.3 ± 0.4	13.8 ± 0.6	17.5 ± 0.8
	HCT %	19.3 ± 1.5	40.3 ± 2.0	50.1 ± 2.4
	MCV fL	80.9 ± 5.0	83.3 ± 5.0	89.2 ± 5.0
	MCH pg	26.7 ± 2.5	28.6 ± 2.5	31.2 ± 2.5
	MCHC g/dL	32.9 ± 3.0	34.4 ± 3.0	35.0 ± 3.0
	RDW-CV %	16.0 ± 3.0	14.5 ± 3.0	13.6 ± 3.0
	RDW-SD fL	48.3 ± 8.0	45.5 ± 8.0	45.9 ± 8.0
	PLT x 10 ⁹ /L	63 ± 20	278 ± 40	617 ± 60
	MPV fL	6.8 ± 3.0	7.2 ± 3.0	7.4 ± 3.0
	PCT % *	0.043 ± 0.040	0.200 ± 0.100	0.455 ± 0.300
	PDW *	16.0 ± 3.0	16.1 ± 3.0	16.2 ± 3.0
	P-LCC x 10 ⁹ /L	9.6 ± 9.6	47.9 ± 45	109 ± 55
	P-LCR %	14.9 ± 14.0	17.2 ± 17.0	17.7 ± 15.0
BC-5300, BC-5100 BC-5380, BC-5180 QC Mode	WBC x 10 ⁹ /L	3.66 ± 0.50	8.51 ± 1.00	20.71 ± 2.50
	Neu x 10 ⁹ /L	1.99 ± 0.35	5.18 ± 0.74	13.93 ± 1.51
	Lym x 10 ⁹ /L	1.33 ± 0.35	2.38 ± 0.74	3.86 ± 1.51
	Mon x 10 ⁹ /L	0.15 ± 0.12	0.37 ± 0.33	1.00 ± 0.74
	Eos x 10 ⁹ /L	0.19 ± 0.17	0.58 ± 0.58	1.93 ± 1.14
	Bas x 10 ⁹ /L	2.02 ± 0.45	5.68 ± 1.24	15.92 ± 1.89
	Neu %	54.2 ± 10.0	60.8 ± 9.0	67.3 ± 8.0
	Lym %	36.3 ± 10.0	27.9 ± 9.0	18.6 ± 8.0
	Mon %	4.1 ± 4.1	4.4 ± 4.2	4.8 ± 4.0
	Eos %	5.4 ± 5.0	6.9 ± 6.9	9.3 ± 6.0
	Bas %	55.2 ± 13.0	66.7 ± 15.0	76.9 ± 10.0
	RBC x 10 ¹² /L	2.22 ± 0.18	4.61 ± 0.24	5.35 ± 0.30
	HGB g/dL	6.1 ± 0.4	13.4 ± 0.6	17.0 ± 0.8
	HCT %	19.6 ± 1.5	43.5 ± 2.0	53.9 ± 2.4
	MCV fL	88.3 ± 5.0	94.3 ± 5.0	100.9 ± 5.0
	MCH pg	27.5 ± 2.5	29.1 ± 2.5	31.8 ± 2.5
	MCHC g/dL	31.1 ± 3.0	30.8 ± 3.0	31.5 ± 3.0
	RDW-CV %	15.8 ± 3.0	14.5 ± 3.0	13.9 ± 3.0
	RDW-SD fL	52.4 ± 8.0	51.0 ± 8.0	52.4 ± 8.0
	PLT x 10 ⁹ /L	57 ± 20	245 ± 40	543 ± 60
	MPV fL	7.2 ± 3.0	7.3 ± 3.0	7.4 ± 3.0
	PCT % *	0.041 ± 0.032	0.179 ± 0.100	0.402 ± 0.200
	PDW *	15.9 ± 3.0	16.1 ± 3.0	16.3 ± 3.0

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Instrument	Parameter	Low	Normal	High	
BC-5390 QC Mode	WBC x 10 ⁹ /L	3.71 ± 0.50	8.74 ± 1.00	21.34 ± 2.50	++
	Neu x 10 ⁹ /L	1.78 ± 0.32	4.64 ± 0.67	11.99 ± 1.75	
	Lym x 10 ⁹ /L	1.44 ± 0.32	2.83 ± 0.67	5.10 ± 1.55	
	Mon x 10 ⁹ /L	0.24 ± 0.13	0.55 ± 0.51	1.97 ± 0.97	
	Eos x 10 ⁹ /L	0.25 ± 0.18	0.72 ± 0.42	2.28 ± 1.17	
	Bas x 10 ⁹ /L	1.04 ± 0.36	2.55 ± 0.84	6.56 ± 1.94	
	Neu %	47.8 ± 9.0	53.1 ± 8.0	56.2 ± 9.0	
	Lym %	38.7 ± 9.0	32.3 ± 8.0	23.9 ± 8.0	
	Mon %	6.6 ± 3.0	6.3 ± 6.0	9.2 ± 5.0	
	Eos %	6.9 ± 5.0	8.3 ± 5.0	10.7 ± 6.0	
	Bas %	27.9 ± 10.0	29.2 ± 10.0	30.7 ± 10.0	
	RBC x 10 ¹² /L	2.32 ± 0.18	4.73 ± 0.24	5.38 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.5 ± 0.6	17.1 ± 0.8	
	HCT %	18.5 ± 1.5	39.3 ± 2.0	47.6 ± 2.4	
	MCV fL	79.7 ± 5.0	83.2 ± 5.0	88.5 ± 5.0	
	MCH pg	25.8 ± 2.5	28.5 ± 2.5	31.8 ± 2.5	
	MCHC g/dL	32.4 ± 3.0	34.2 ± 3.0	35.9 ± 3.0	
	RDW-CV %	15.9 ± 3.0	14.8 ± 3.0	14.2 ± 3.0	
	RDW-SD fL	46.4 ± 8.0	45.3 ± 8.0	46.3 ± 8.0	
	PLT x 10 ⁹ /L	59 ± 20	251 ± 40	550 ± 60	
	MPV fL	8.4 ± 3.0	8.4 ± 3.0	8.5 ± 3.0	
BC-5390 CRP QC Mode	WBC x 10 ⁹ /L	3.73 ± 0.50	8.80 ± 1.00	21.28 ± 2.50	
	Neu x 10 ⁹ /L	1.81 ± 0.32	4.75 ± 0.67	12.10 ± 1.75	
	Lym x 10 ⁹ /L	1.42 ± 0.32	2.69 ± 0.67	5.00 ± 1.55	
	Mon x 10 ⁹ /L	0.25 ± 0.13	0.65 ± 0.51	1.96 ± 0.97	
	Eos x 10 ⁹ /L	0.24 ± 0.18	0.71 ± 0.42	2.22 ± 1.17	
	Bas x 10 ⁹ /L	1.02 ± 0.36	2.53 ± 0.84	6.53 ± 1.94	
	Neu %	48.4 ± 9.0	54.0 ± 8.0	56.9 ± 9.0	
	Lym %	38.1 ± 9.0	30.5 ± 8.0	23.5 ± 8.0	
	Mon %	6.8 ± 3.0	7.4 ± 6.0	9.2 ± 5.0	
	Eos %	6.7 ± 5.0	8.1 ± 5.0	10.4 ± 6.0	
	Bas %	27.4 ± 10.0	28.8 ± 10.0	30.7 ± 10.0	
	RBC x 10 ¹² /L	2.28 ± 0.18	4.62 ± 0.24	5.34 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.5 ± 0.6	17.2 ± 0.8	
	HCT %	18.2 ± 1.5	38.3 ± 2.0	47.3 ± 2.4	
	MCV fL	80.0 ± 5.0	82.8 ± 5.0	88.6 ± 5.0	
	MCH pg	26.3 ± 2.5	29.2 ± 2.5	32.2 ± 2.5	
	MCHC g/dL	32.9 ± 3.0	35.2 ± 3.0	36.4 ± 3.0	
	RDW-CV %	15.8 ± 3.0	14.8 ± 3.0	14.1 ± 3.0	
	RDW-SD fL	46.3 ± 8.0	45.2 ± 8.0	46.0 ± 8.0	
	PLT x 10 ⁹ /L	55 ± 20	255 ± 40	554 ± 60	
	MPV fL	8.4 ± 3.0	8.5 ± 3.0	8.5 ± 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	3.63 ± 0.50	8.45 ± 1.00	20.02 ± 2.50	+++
	Neu x 10 ⁹ /L	1.67 ± 0.46	4.48 ± 0.98	11.74 ± 2.27	
	Lym x 10 ⁹ /L	1.47 ± 0.39	2.67 ± 0.82	4.40 ± 1.70	
	Mon x 10 ⁹ /L	0.25 ± 0.18	0.53 ± 0.41	1.49 ± 1.09	
	Eos x 10 ⁹ /L	0.21 ± 0.14	0.67 ± 0.49	2.07 ± 1.70	
	Bas x 10 ⁹ /L	0.03 ± 0.03	0.10 ± 0.10	0.32 ± 0.32	
	Neu %	45.9 ± 12.0	53.0 ± 12.0	58.7 ± 12.0	
	Lym %	40.4 ± 11.0	31.5 ± 10.0	22.0 ± 9.0	
	Mon %	6.9 ± 5.0	6.3 ± 5.0	7.4 ± 5.0	
	Eos %	5.9 ± 4.0	8.0 ± 6.0	10.3 ± 9.0	
	Bas %	0.9 ± 0.9	1.2 ± 1.2	1.6 ± 1.6	
	RBC x 10 ¹² /L	2.24 ± 0.18	4.65 ± 0.24	5.33 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.3 ± 0.6	17.0 ± 0.8	
	HCT %	18.3 ± 1.5	40.1 ± 2.0	47.8 ± 2.4	
	MCV fL	81.8 ± 5.0	86.2 ± 5.0	89.7 ± 5.0	
	MCH pg	26.8 ± 2.5	28.7 ± 2.5	31.9 ± 2.5	
	MCHC g/dL	32.8 ± 3.0	33.3 ± 3.0	35.5 ± 3.0	
	RDW-CV %	18.7 ± 3.0	17.1 ± 3.0	16.9 ± 3.0	
	RDW-SD fL	47.5 ± 8.0	45.9 ± 8.0	47.5 ± 8.0	
	PLT x 10 ⁹ /L	55 ± 20	261 ± 40	540 ± 60	
	MPV fL	7.5 ± 3.0	7.5 ± 3.0	7.5 ± 3.0	
	PCT %	0.040 ± 0.033	0.196 ± 0.100	0.403 ± 0.200	
	PDW *	15.4 ± 3.0	15.8 ± 3.0	16.1 ± 3.0	