

HC5D-B

(Cat No.1510)

For MINDRAY
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT E5221

EXP. 2025-09-16

Instrument	Parameter	Low	Normal	High
BC-5800, BC-5600 QC Mode	WBC x 10 ⁹ /L	3.79 ± 0.50	8.95 ± 1.00	20.41 ± 2.50 +
	Neu x 10 ⁹ /L	1.55 ± 0.35	4.03 ± 0.66	11.02 ± 1.53
	Lym x 10 ⁹ /L	1.67 ± 0.31	3.80 ± 0.66	6.74 ± 1.53
	Mon x 10 ⁹ /L	0.34 ± 0.11	0.40 ± 0.35	0.61 ± 0.59
	Eos x 10 ⁹ /L	0.19 ± 0.14	0.63 ± 0.41	1.84 ± 1.14
	Bas x 10 ⁹ /L	0.04 ± 0.04	0.09 ± 0.09	0.20 ± 0.20
	Neu %	41.0 ± 10.0	45.0 ± 8.0	54.0 ± 8.0
	Lym %	44.0 ± 9.0	42.5 ± 8.0	33.0 ± 8.0
	Mon %	9.0 ± 3.5	4.5 ± 4.0	3.0 ± 3.0
	Eos %	5.0 ± 4.0	7.0 ± 5.0	9.0 ± 6.0
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0
	RBC x 10 ¹² /L	2.44 ± 0.18	4.69 ± 0.24	5.43 ± 0.30
	HGB g/dL	6.5 ± 0.4	13.5 ± 0.6	16.5 ± 0.8
	HCT %	19.2 ± 1.5	40.6 ± 2.0	50.0 ± 2.4
	MCV fL	78.5 ± 5.0	86.5 ± 5.0	92.0 ± 5.0
	MCH pg	26.6 ± 2.5	28.8 ± 2.5	30.4 ± 2.5
	MCHC g/dL	33.9 ± 3.0	33.3 ± 3.0	33.2 ± 3.0
	RDW-CV %	17.4 ± 3.0	14.6 ± 3.0	14.1 ± 3.0
	RDW-SD fL	49.2 ± 8.0	45.8 ± 8.0	47.4 ± 8.0
	PLT x 10 ⁹ /L	57 ± 20	270 ± 40	580 ± 60
	MPV fL	6.8 ± 3.0	7.3 ± 3.0	7.6 ± 3.0
	PCT % *	0.040 ± 0.040	0.203 ± 0.100	0.456 ± 0.300
	PDW *	16.1 ± 3.0	16.3 ± 3.0	16.2 ± 3.0
	P-LCC x 10 ⁹ /L	9.0 ± 9.0	49.7 ± 45	114 ± 55
	P-LCR %	15.3 ± 14.0	17.7 ± 17.0	19.0 ± 15.0
BC-5300, BC-5100 BC-5380, BC-5180 QC Mode	WBC x 10 ⁹ /L	3.73 ± 0.50	8.92 ± 1.00	20.65 ± 2.50
	Neu x 10 ⁹ /L	2.05 ± 0.35	5.40 ± 0.74	13.63 ± 1.51
	Lym x 10 ⁹ /L	1.29 ± 0.35	2.59 ± 0.74	3.72 ± 1.51
	Mon x 10 ⁹ /L	0.17 ± 0.12	0.27 ± 0.27	1.24 ± 0.74
	Eos x 10 ⁹ /L	0.22 ± 0.17	0.67 ± 0.58	2.07 ± 1.14
	Bas x 10 ⁹ /L	2.03 ± 0.45	5.89 ± 1.24	16.00 ± 1.89
	Neu %	55.0 ± 10.0	60.5 ± 9.0	66.0 ± 8.0
	Lym %	34.5 ± 10.0	29.0 ± 9.0	18.0 ± 8.0
	Mon %	4.5 ± 4.1	3.0 ± 3.0	6.0 ± 4.0
	Eos %	6.0 ± 5.0	7.5 ± 6.9	10.0 ± 6.0
	Bas %	54.5 ± 13.0	66.0 ± 15.0	77.5 ± 10.0
	RBC x 10 ¹² /L	2.32 ± 0.18	4.54 ± 0.24	5.27 ± 0.30
	HGB g/dL	6.1 ± 0.4	13.3 ± 0.6	16.5 ± 0.8
	HCT %	19.7 ± 1.5	43.1 ± 2.0	53.2 ± 2.4
	MCV fL	85.0 ± 5.0	95.0 ± 5.0	101.0 ± 5.0
	MCH pg	26.3 ± 2.5	29.3 ± 2.5	31.3 ± 2.5
	MCHC g/dL	31.0 ± 3.0	30.9 ± 3.0	31.0 ± 3.0
	RDW-CV %	17.1 ± 3.0	14.7 ± 3.0	14.1 ± 3.0
	RDW-SD fL	54.7 ± 8.0	52.0 ± 8.0	53.2 ± 8.0
	PLT x 10 ⁹ /L	55 ± 20	255 ± 40	550 ± 60
	MPV fL	7.2 ± 3.0	7.4 ± 3.0	7.5 ± 3.0
	PCT % *	0.038 ± 0.032	0.188 ± 0.100	0.414 ± 0.200
	PDW *	16.0 ± 3.0	16.2 ± 3.0	16.1 ± 3.0

HC5D-B

(Cat No.1510)

For MINDRAY
HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT E5221

EXP. 2025-09-16

Instrument	Parameter	Low	Normal	High	
BC-5390 QC Mode	WBC x 10 ⁹ /L	3.74 ± 0.50	8.90 ± 1.00	20.93 ± 2.50	++
	Neu x 10 ⁹ /L	1.81 ± 0.32	4.70 ± 0.67	12.62 ± 1.75	
	Lym x 10 ⁹ /L	1.31 ± 0.32	2.56 ± 0.67	4.50 ± 1.55	
	Mon x 10 ⁹ /L	0.40 ± 0.13	0.89 ± 0.51	1.67 ± 0.97	
	Eos x 10 ⁹ /L	0.22 ± 0.18	0.75 ± 0.42	2.13 ± 1.17	
	Bas x 10 ⁹ /L	1.04 ± 0.36	2.53 ± 0.84	6.53 ± 1.94	
	Neu %	48.4 ± 9.0	52.8 ± 8.0	60.3 ± 9.0	
	Lym %	35.0 ± 9.0	28.8 ± 8.0	21.5 ± 8.0	
	Mon %	10.7 ± 3.0	10.0 ± 6.0	8.0 ± 5.0	
	Eos %	5.9 ± 5.0	8.4 ± 5.0	10.2 ± 6.0	
	Bas %	27.8 ± 10.0	28.4 ± 10.0	31.2 ± 10.0	
	RBC x 10 ¹² /L	2.31 ± 0.18	4.62 ± 0.24	5.37 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.3 ± 0.6	16.7 ± 0.8	
	HCT %	17.7 ± 1.5	38.9 ± 2.0	48.3 ± 2.4	
	MCV fL	76.5 ± 5.0	84.3 ± 5.0	89.9 ± 5.0	
	MCH pg	26.2 ± 2.5	28.7 ± 2.5	31.2 ± 2.5	
	MCHC g/dL	34.2 ± 3.0	34.0 ± 3.0	34.7 ± 3.0	
	RDW-CV %	17.2 ± 3.0	14.8 ± 3.0	14.4 ± 3.0	
	RDW-SD fL	48.3 ± 8.0	46.1 ± 8.0	47.7 ± 8.0	
	PLT x 10 ⁹ /L	51 ± 20	258 ± 40	552 ± 60	
	MPV fL	8.4 ± 3.0	8.5 ± 3.0	8.6 ± 3.0	
BC-5390 CRP QC Mode	WBC x 10 ⁹ /L	3.71 ± 0.50	8.96 ± 1.00	20.83 ± 2.50	
	Neu x 10 ⁹ /L	1.78 ± 0.32	4.70 ± 0.67	12.50 ± 1.75	
	Lym x 10 ⁹ /L	1.28 ± 0.32	2.55 ± 0.67	4.37 ± 1.55	
	Mon x 10 ⁹ /L	0.43 ± 0.13	0.94 ± 0.51	1.77 ± 0.97	
	Eos x 10 ⁹ /L	0.22 ± 0.18	0.76 ± 0.42	2.19 ± 1.17	
	Bas x 10 ⁹ /L	1.02 ± 0.36	2.55 ± 0.84	6.42 ± 1.94	
	Neu %	48.0 ± 9.0	52.5 ± 8.0	60.0 ± 9.0	
	Lym %	34.5 ± 9.0	28.5 ± 8.0	21.0 ± 8.0	
	Mon %	11.5 ± 3.0	10.5 ± 6.0	8.5 ± 5.0	
	Eos %	6.0 ± 5.0	8.5 ± 5.0	10.5 ± 6.0	
	Bas %	27.5 ± 10.0	28.5 ± 10.0	30.8 ± 10.0	
	RBC x 10 ¹² /L	2.34 ± 0.18	4.64 ± 0.24	5.34 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.4 ± 0.6	16.7 ± 0.8	
	HCT %	17.9 ± 1.5	39.0 ± 2.0	47.9 ± 2.4	
	MCV fL	76.4 ± 5.0	84.1 ± 5.0	89.8 ± 5.0	
	MCH pg	25.7 ± 2.5	28.8 ± 2.5	29.6 ± 2.5	
	MCHC g/dL	33.7 ± 3.0	34.3 ± 3.0	34.9 ± 3.0	
	RDW-CV %	17.1 ± 3.0	14.7 ± 3.0	14.4 ± 3.0	
	RDW-SD fL	47.8 ± 8.0	45.7 ± 8.0	47.7 ± 8.0	
	PLT x 10 ⁹ /L	50 ± 20	253 ± 40	553 ± 60	
	MPV fL	8.2 ± 3.0	8.5 ± 3.0	8.6 ± 3.0	

HC5D-B

(Cat No.1510)

For MINDRAY
HEMATOLOGY CONTROLS

CONTROL

LOT E5221

EXP. 2025-09-16

ASSAY VALUES AND EXPECTED RANGES

Instrument	Parameter	Low	Normal	High	
BC-5000, BC-5150, BC-5140 BC-5130, BC-5120, BC-5000Vet QC Mode	WBC x 10 ⁹ /L	3.63 ± 0.50	8.53 ± 1.00	19.22 ± 2.50	+++
	Neu x 10 ⁹ /L	1.60 ± 0.46	4.22 ± 0.98	10.76 ± 2.27	
	Lym x 10 ⁹ /L	1.34 ± 0.39	2.56 ± 0.82	4.32 ± 1.70	
	Mon x 10 ⁹ /L	0.44 ± 0.18	0.94 ± 0.41	1.92 ± 1.09	
	Eos x 10 ⁹ /L	0.22 ± 0.14	0.68 ± 0.49	1.83 ± 1.70	
	Bas x 10 ⁹ /L	0.04 ± 0.04	0.13 ± 0.10	0.38 ± 0.32	
	Neu %	44.0 ± 12.0	49.5 ± 12.0	56.0 ± 12.0	
	Lym %	37.0 ± 11.0	30.0 ± 10.0	22.5 ± 9.0	
	Mon %	12.0 ± 5.0	11.0 ± 5.0	10.0 ± 5.0	
	Eos %	6.0 ± 4.0	8.0 ± 6.0	9.5 ± 9.0	
	Bas %	1.0 ± 0.9	1.5 ± 1.2	2.0 ± 1.6	
	RBC x 10 ¹² /L	2.34 ± 0.18	4.60 ± 0.24	5.32 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.3 ± 0.6	16.5 ± 0.8	
	HCT %	18.6 ± 1.5	40.3 ± 2.0	49.3 ± 2.4	
	MCV fL	79.3 ± 5.0	87.6 ± 5.0	92.6 ± 5.0	
	MCH pg	25.8 ± 2.5	28.9 ± 2.5	31.0 ± 2.5	
	MCHC g/dL	32.6 ± 3.0	33.1 ± 3.0	33.5 ± 3.0	
	RDW-CV %	20.0 ± 3.0	17.0 ± 3.0	16.6 ± 3.0	
	RDW-SD fL	50.0 ± 8.0	46.7 ± 8.0	48.2 ± 8.0	
	PLT x 10 ⁹ /L	52 ± 20	253 ± 40	558 ± 60	
	MPV fL	7.5 ± 3.0	7.6 ± 3.0	7.6 ± 3.0	
	PCT %	0.039 ± 0.033	0.191 ± 0.100	0.427 ± 0.200	
	PDW *	15.4 ± 3.0	15.8 ± 3.0	15.9 ± 3.0	