

# HC5D-B

(Cat No.1510)

For MINDRAY  
HEMATOLOGY CONTROLS

**CONTROL**

ASSAY VALUES AND EXPECTED RANGES

**LOT** E5230

EXP. 2026-01-16

Instrument	Parameter	Low	Normal	High
<b>BC-5800, BC-5600</b> <b>QC Mode</b>	WBC x 10 <sup>9</sup> /L	3.59 ± 0.50	8.39 ± 1.00	19.52 ± 2.50 +
	Neu x 10 <sup>9</sup> /L	1.54 ± 0.35	4.32 ± 0.66	11.13 ± 1.53
	Lym x 10 <sup>9</sup> /L	1.62 ± 0.31	2.98 ± 0.66	5.86 ± 1.53
	Mon x 10 <sup>9</sup> /L	0.22 ± 0.11	0.38 ± 0.21	0.68 ± 0.59
	Eos x 10 <sup>9</sup> /L	0.18 ± 0.14	0.63 ± 0.41	1.66 ± 1.14
	Bas x 10 <sup>9</sup> /L	0.04 ± 0.04	0.08 ± 0.08	0.20 ± 0.20
	Neu %	43.0 ± 10.0	51.5 ± 8.0	57.0 ± 8.0
	Lym %	45.0 ± 9.0	35.5 ± 8.0	30.0 ± 8.0
	Mon %	6.0 ± 3.0	4.5 ± 2.0	3.5 ± 3.0
	Eos %	5.0 ± 4.0	7.5 ± 5.0	8.5 ± 6.0
	Bas %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0
	RBC x 10 <sup>12</sup> /L	2.33 ± 0.18	4.74 ± 0.24	5.43 ± 0.30
	HGB g/dL	6.1 ± 0.4	13.3 ± 0.6	16.6 ± 0.8
	HCT %	18.9 ± 1.5	39.6 ± 2.0	49.1 ± 2.4
	MCV fL	81.5 ± 5.0	83.5 ± 5.0	90.4 ± 5.0
	MCH pg	26.2 ± 2.5	28.0 ± 2.5	30.6 ± 2.5
	MCHC g/dL	32.3 ± 3.0	33.6 ± 3.0	33.9 ± 3.0
	RDW-CV %	16.5 ± 3.0	15.1 ± 3.0	14.0 ± 3.0
	RDW-SD fL	50.3 ± 8.0	47.6 ± 8.0	48.1 ± 8.0
	PLT x 10 <sup>9</sup> /L	58 ± 20	265 ± 40	550 ± 60
	MPV fL	7.5 ± 3.0	7.9 ± 3.0	8.4 ± 3.0
	PCT % *	0.044 ± 0.040	0.212 ± 0.100	0.468 ± 0.300
	PDW *	16.0 ± 3.0	15.7 ± 3.0	16.2 ± 3.0
	P-LCC x 10 <sup>9</sup> /L	11.0 ± 9.0	56.0 ± 45	142 ± 55
	P-LCR %	19.7 ± 14.0	20.9 ± 17.0	25.4 ± 15.0
<b>BC-5300, BC-5100</b> <b>BC-5380, BC-5180</b> <b>QC Mode</b>	WBC x 10 <sup>9</sup> /L	3.48 ± 0.50	8.41 ± 1.00	19.36 ± 2.50
	Neu x 10 <sup>9</sup> /L	1.86 ± 0.35	4.88 ± 0.74	13.16 ± 1.51
	Lym x 10 <sup>9</sup> /L	1.32 ± 0.35	2.52 ± 0.74	3.87 ± 1.51
	Mon x 10 <sup>9</sup> /L	0.14 ± 0.12	0.42 ± 0.27	0.87 ± 0.74
	Eos x 10 <sup>9</sup> /L	0.16 ± 0.16	0.59 ± 0.33	1.45 ± 1.14
	Bas x 10 <sup>9</sup> /L	1.84 ± 0.45	5.59 ± 1.24	14.91 ± 1.89
	Neu %	53.5 ± 10.0	58.0 ± 9.0	68.0 ± 8.0
	Lym %	38.0 ± 10.0	30.0 ± 9.0	20.0 ± 8.0
	Mon %	4.0 ± 4.0	5.0 ± 3.0	4.5 ± 4.0
	Eos %	4.5 ± 4.0	7.0 ± 4.0	7.5 ± 6.0
	Bas %	52.8 ± 13.0	66.5 ± 15.0	77.0 ± 10.0
	RBC x 10 <sup>12</sup> /L	2.21 ± 0.18	4.54 ± 0.24	5.20 ± 0.30
	HGB g/dL	5.8 ± 0.4	13.2 ± 0.6	16.5 ± 0.8
	HCT %	19.7 ± 1.5	43.1 ± 2.0	53.0 ± 2.4
	MCV fL	89.0 ± 5.0	95.0 ± 5.0	102.0 ± 5.0
	MCH pg	26.2 ± 2.5	29.1 ± 2.5	31.7 ± 2.5
	MCHC g/dL	29.5 ± 3.0	30.6 ± 3.0	31.1 ± 3.0
	RDW-CV %	16.5 ± 3.0	15.2 ± 3.0	14.3 ± 3.0
	RDW-SD fL	55.1 ± 8.0	53.7 ± 8.0	53.7 ± 8.0
	PLT x 10 <sup>9</sup> /L	53 ± 20	248 ± 40	510 ± 60
	MPV fL	7.8 ± 3.0	7.9 ± 3.0	8.1 ± 3.0
	PCT % *	0.042 ± 0.032	0.200 ± 0.100	0.410 ± 0.200
	PDW *	15.9 ± 3.0	15.8 ± 3.0	16.2 ± 3.0

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Instrument	Parameter	Low	Normal	High	
<b>BC-5390</b> <b>QC Mode</b>	WBC x 10 <sup>9</sup> /L	3.46 ± 0.50	8.64 ± 1.00	19.73 ± 2.50	++
	Neu x 10 <sup>9</sup> /L	1.62 ± 0.32	4.96 ± 0.67	12.38 ± 1.75	
	Lym x 10 <sup>9</sup> /L	1.27 ± 0.32	2.13 ± 0.67	3.78 ± 1.55	
	Mon x 10 <sup>9</sup> /L	0.34 ± 0.13	0.80 ± 0.51	1.81 ± 0.97	
	Eos x 10 <sup>9</sup> /L	0.23 ± 0.18	0.75 ± 0.42	1.76 ± 1.17	
	Bas x 10 <sup>9</sup> /L	0.94 ± 0.36	2.63 ± 0.84	6.09 ± 1.94	
	Neu %	46.8 ± 9.0	57.4 ± 8.0	62.7 ± 9.0	
	Lym %	36.6 ± 9.0	24.7 ± 8.0	19.2 ± 8.0	
	Mon %	9.7 ± 3.0	9.2 ± 6.0	9.2 ± 5.0	
	Eos %	6.9 ± 5.0	8.7 ± 5.0	8.9 ± 6.0	
	Bas %	27.1 ± 10.0	30.4 ± 10.0	30.9 ± 10.0	
	RBC x 10 <sup>12</sup> /L	2.24 ± 0.18	4.67 ± 0.24	5.27 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.3 ± 0.6	16.6 ± 0.8	
	HCT %	17.9 ± 1.5	38.2 ± 2.0	46.9 ± 2.4	
	MCV fL	79.5 ± 5.0	82.0 ± 5.0	89.0 ± 5.0	
	MCH pg	26.8 ± 2.5	28.5 ± 2.5	31.5 ± 2.5	
	MCHC g/dL	33.5 ± 3.0	34.8 ± 3.0	35.4 ± 3.0	
	RDW-CV %	16.8 ± 3.0	15.6 ± 3.0	14.4 ± 3.0	
	RDW-SD fL	48.9 ± 8.0	46.8 ± 8.0	47.0 ± 8.0	
	PLT x 10 <sup>9</sup> /L	58 ± 20	255 ± 40	520 ± 60	
	MPV fL	8.8 ± 3.0	9.1 ± 3.0	9.5 ± 3.0	
<b>BC-5390 CRP</b> <b>QC Mode</b>	WBC x 10 <sup>9</sup> /L	3.42 ± 0.50	8.54 ± 1.00	19.57 ± 2.50	
	Neu x 10 <sup>9</sup> /L	1.59 ± 0.32	4.78 ± 0.67	12.23 ± 1.75	
	Lym x 10 <sup>9</sup> /L	1.25 ± 0.32	2.22 ± 0.67	3.72 ± 1.55	
	Mon x 10 <sup>9</sup> /L	0.36 ± 0.13	0.81 ± 0.51	1.76 ± 0.97	
	Eos x 10 <sup>9</sup> /L	0.22 ± 0.18	0.73 ± 0.42	1.86 ± 1.17	
	Bas x 10 <sup>9</sup> /L	0.90 ± 0.36	2.58 ± 0.84	6.07 ± 1.94	
	Neu %	46.5 ± 9.0	56.0 ± 8.0	62.5 ± 9.0	
	Lym %	36.5 ± 9.0	26.0 ± 8.0	19.0 ± 8.0	
	Mon %	10.5 ± 3.0	9.5 ± 6.0	9.0 ± 5.0	
	Eos %	6.5 ± 5.0	8.5 ± 5.0	9.5 ± 6.0	
	Bas %	26.5 ± 10.0	30.2 ± 10.0	31.0 ± 10.0	
	RBC x 10 <sup>12</sup> /L	2.24 ± 0.18	4.64 ± 0.24	5.29 ± 0.30	
	HGB g/dL	5.9 ± 0.4	13.2 ± 0.6	16.5 ± 0.8	
	HCT %	17.7 ± 1.5	37.8 ± 2.0	46.5 ± 2.4	
	MCV fL	79.0 ± 5.0	81.5 ± 5.0	88.0 ± 5.0	
	MCH pg	26.3 ± 2.5	28.4 ± 2.5	31.2 ± 2.5	
	MCHC g/dL	33.3 ± 3.0	34.9 ± 3.0	35.5 ± 3.0	
	RDW-CV %	16.8 ± 3.0	15.6 ± 3.0	14.5 ± 3.0	
	RDW-SD fL	48.6 ± 8.0	46.6 ± 8.0	47.1 ± 8.0	
	PLT x 10 <sup>9</sup> /L	55 ± 20	252 ± 40	515 ± 60	
	MPV fL	8.9 ± 3.0	9.0 ± 3.0	9.4 ± 3.0	

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## 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 <sup>9</sup> /L	3.45 ± 0.50	8.14 ± 1.00	18.91 ± 2.50	+++
	Neu x 10 <sup>9</sup> /L	1.52 ± 0.46	4.27 ± 0.98	11.25 ± 2.27	
	Lym x 10 <sup>9</sup> /L	1.40 ± 0.39	2.48 ± 0.82	4.07 ± 1.70	
	Mon x 10 <sup>9</sup> /L	0.29 ± 0.18	0.65 ± 0.41	1.61 ± 1.09	
	Eos x 10 <sup>9</sup> /L	0.21 ± 0.14	0.61 ± 0.49	1.70 ± 1.70	
	Bas x 10 <sup>9</sup> /L	0.03 ± 0.03	0.12 ± 0.10	0.28 ± 0.28	
	Neu %	44.0 ± 12.0	52.5 ± 12.0	59.5 ± 12.0	
	Lym %	40.5 ± 11.0	30.5 ± 10.0	21.5 ± 9.0	
	Mon %	8.5 ± 5.0	8.0 ± 5.0	9.0 ± 5.0	
	Eos %	6.0 ± 4.0	7.5 ± 6.0	10.0 ± 9.0	
	Bas %	1.0 ± 0.9	1.5 ± 1.2	1.5 ± 1.5	
	RBC x 10 <sup>12</sup> /L	2.27 ± 0.18	4.70 ± 0.24	5.39 ± 0.30	
	HGB g/dL	6.0 ± 0.4	13.3 ± 0.6	16.6 ± 0.8	
	HCT %	18.6 ± 1.5	40.4 ± 2.0	50.1 ± 2.4	
	MCV fL	82.0 ± 5.0	86.0 ± 5.0	93.0 ± 5.0	
	MCH pg	26.4 ± 2.5	28.3 ± 2.5	30.8 ± 2.5	
	MCHC g/dL	32.3 ± 3.0	32.9 ± 3.0	33.1 ± 3.0	
	RDW-CV %	19.9 ± 3.0	18.3 ± 3.0	16.8 ± 3.0	
	RDW-SD fL	50.5 ± 8.0	48.8 ± 8.0	48.5 ± 8.0	
	PLT x 10 <sup>9</sup> /L	50 ± 20	252 ± 40	526 ± 60	
	MPV fL	8.1 ± 3.0	8.1 ± 3.0	8.6 ± 3.0	
	PCT %	0.043 ± 0.033	0.206 ± 0.100	0.463 ± 0.200	
	PDW *	15.3 ± 3.0	15.5 ± 3.0	16.1 ± 3.0	