

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

E5217

EXP. 2025-07-26

		LOW		NORMAL		HIGH	
Sysmex XT-4000i (Manual Sampling)	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 ⁹ /L)	3.99 ± 1.20	2.79 - 5.19	7.60 ± 1.80	5.80 - 9.40	19.78 ± 3.00	16.78 - 22.78
	RBC (10 ¹² /L)	2.19 ± 0.15	2.04 - 2.34	4.71 ± 0.24	4.47 - 4.95	5.64 ± 0.30	5.34 - 5.94
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.4 ± 0.6	12.8 - 14.0	17.7 ± 0.7	17.0 - 18.4
	HCT (%)	18.5 ± 2.0	16.5 - 20.5	40.3 ± 2.5	37.8 - 42.8	53.0 ± 3.0	50.0 - 56.0
	MCV (fL)	84.5 ± 5.0	79.5 - 89.5	85.5 ± 5.0	80.5 - 90.5	94.0 ± 5.0	89.0 - 103.0
	MCH (pg)	27.4 ± 2.5	24.9 - 29.9	28.5 ± 2.5	26.0 - 31.0	31.4 ± 2.5	28.9 - 33.9
	MCHC (g/dL)	32.4 ± 3.0	29.4 - 35.4	33.3 ± 3.0	30.3 - 36.3	33.4 ± 3.0	30.4 - 36.4
	RDW-SD (fL)	51.9 ± 10.0	41.9 - 61.9	50.0 ± 10.0	40.0 - 60.0	50.4 ± 10.0	40.4 - 60.4
	RDW-CV (%)	17.2 ± 5.0	12.2 - 22.2	16.7 ± 5.0	11.7 - 21.7	15.6 ± 5.0	10.6 - 20.6
	PLT (10 ⁹ /L)	50 ± 25	25 - 75	210 ± 40	170 - 250	415 ± 65	350 - 480
	MPV (fL)	8.0 ± 3.0	5.0 - 11.0	8.8 ± 3.0	5.8 - 11.8	9.3 ± 3.0	6.3 - 12.3
	NEUT # (10 ⁹ /L)	2.67 ± 0.50	2.17 - 3.17	4.45 ± 1.00	3.45 - 5.45	12.46 ± 2.52	9.94 - 14.98
	LYMPH # (10 ⁹ /L)	0.60 ± 0.37	0.23 - 0.97	1.82 ± 0.79	1.03 - 2.61	3.76 ± 2.10	1.66 - 5.86
	MONO # (10 ⁹ /L)	0.10 ± 0.09	0.01 - 0.19	0.27 ± 0.19	0.06 - 0.46	0.59 ± 0.50	0.09 - 1.09
	EO # (10 ⁹ /L)	0.62 ± 0.29	0.33 - 0.91	1.06 ± 0.56	0.50 - 1.62	2.97 ± 1.47	1.50 - 4.44
	BASO # (10 ⁹ /L)	3.41 ± 0.82	2.59 - 4.23	5.74 ± 2.00	3.74 - 7.74	17.01 ± 4.20	12.81 - 21.21
	NEUT%	68.5 ± 12.0	56.5 - 80.5	56.0 ± 12.0	44.0 - 68.0	62.0 ± 12.0	50.0 - 74.0
	LYMPH%	15.0 ± 9.0	6.0 - 24.0	24.0 ± 10.0	14.0 - 34.0	19.0 ± 10.0	9.0 - 29.0
	MONO%	2.5 ± 2.5	0.0 - 5.0	3.5 ± 2.5	1.0 - 6.0	3.0 ± 2.5	0.0 - 5.5
	EO%	15.5 ± 7.0	8.5 - 25.5	14.0 ± 7.0	7.0 - 21.0	15.0 ± 7.0	8.0 - 22.0
	BASO%	85.5 ± 20.0	65.5 - 105.5	75.0 ± 25.0	50.0 - 100.0	86.0 ± 20.0	66.0 - 106.0