

HC5D-B
(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

E5222
EXP. 2025-09-26

		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)	3.76 ± 1.20	2.56 - 4.96	7.78 ± 1.80	5.98 - 9.58	20.15 ± 3.00	17.15 - 23.15
	RBC (10 ¹² /L)	2.25 ± 0.15	2.10 - 2.40	4.63 ± 0.24	4.39 - 4.87	5.73 ± 0.30	5.43 - 6.03
	HGB (g/dL)	5.9 ± 0.4	5.5 - 6.3	13.3 ± 0.6	12.7 - 13.9	17.7 ± 0.7	17.0 - 18.4
	HCT (%)	17.9 ± 2.0	15.9 - 19.9	39.3 ± 2.5	36.8 - 41.8	52.3 ± 3.0	49.3 - 55.3
	MCV (fL)	80.0 ± 5.0	75.0 - 85.0	85.0 ± 5.0	80.0 - 90.0	91.5 ± 5.0	86.5 - 96.5
	MCH (pg)	26.2 ± 2.5	23.7 - 28.7	26.8 ± 2.5	24.3 - 29.3	30.9 ± 2.5	28.4 - 33.4
	MCHC (g/dL)	32.9 ± 3.0	29.9 - 35.9	34.0 ± 3.0	31.0 - 37.0	33.9 ± 3.0	30.9 - 36.9
	RDW-SD (fL)	47.1 ± 10.0	37.1 - 57.1	47.7 ± 10.0	37.7 - 57.7	49.1 ± 10.0	39.1 - 59.1
	RDW-CV (%)	16.8 ± 5.0	11.8 - 21.8	15.9 ± 5.0	10.9 - 20.9	15.6 ± 5.0	10.6 - 20.6
	PLT (10 ⁹ /L)	55 ± 25	30 - 80	210 ± 40	170 - 250	395 ± 65	330 - 460
	MPV (fL)	8.3 ± 3.0	5.3 - 11.3	8.8 ± 3.0	5.8 - 11.8	9.4 ± 3.0	6.4 - 12.4
	NEUT # (10 ⁹ /L)	2.43 ± 0.50	1.93 - 2.93	4.47 ± 1.00	3.47 - 5.47	12.69 ± 2.52	10.17 - 15.21
	LYMPH # (10 ⁹ /L)	0.68 ± 0.37	0.31 - 1.05	1.98 ± 0.79	1.19 - 2.77	4.03 ± 2.10	1.93 - 6.13
	MONO # (10 ⁹ /L)	0.09 ± 0.09	0.00 - 0.18	0.27 ± 0.27	0.00 - 0.54	0.51 ± 0.51	0.00 - 1.02
	EO # (10 ⁹ /L)	0.56 ± 0.29	0.27 - 0.85	1.05 ± 0.56	0.49 - 1.61	2.92 ± 1.47	1.45 - 4.39
	BASO # (10 ⁹ /L)	3.37 ± 0.82	2.55 - 4.19	6.96 ± 2.00	4.96 - 8.96	18.03 ± 4.20	13.83 - 22.23
	NEUT%	64.5 ± 12.0	52.5 - 76.5	57.5 ± 12.0	45.5 - 69.5	63.9 ± 12.0	51.9 - 75.9
	LYMPH%	18.0 ± 9.0	9.0 - 27.0	25.5 ± 10.0	15.5 - 35.5	20.5 ± 10.0	10.5 - 30.5
	MONO%	2.5 ± 2.5	0.0 - 5.0	3.5 ± 2.5	1.0 - 6.0	2.5 ± 2.5	0.0 - 5.0
	EO%	15.0 ± 7.0	8.0 - 22.0	13.5 ± 7.0	6.5 - 20.5	14.5 ± 7.0	7.5 - 22.5
	BASO%	89.5 ± 20.0	69.5 - 109.5	77.5 ± 25.0	52.5 - 102.5	89.5 ± 20.0	69.5 - 109.5