

HC5D-B
(Cat No.1502)

HEMATOLOGY CONTROLS
CONTROL

E5213-02
EXP. 2025-05-16

		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)	3.84 ± 1.20	2.64 - 5.04	7.83 ± 1.80	6.03 - 9.63	19.94 ± 3.00	16.94 - 22.94
	RBC (10 ¹² /L)	2.39 ± 0.15	2.24 - 2.54	4.62 ± 0.24	4.38 - 4.86	5.65 ± 0.30	5.35 - 5.95
	HGB (g/dL)	6.2 ± 0.4	5.8 - 6.6	13.6 ± 0.6	13.0 - 14.2	17.9 ± 0.7	17.2 - 18.6
	HCT (%)	19.8 ± 2.0	17.8 - 21.8	41.6 ± 2.5	39.1 - 44.1	55.1 ± 3.0	52.1 - 58.1
	MCV (fL)	83.0 ± 5.0	78.0 - 88.0	90.0 ± 5.0	85.0 - 95.0	97.5 ± 5.0	92.5 - 102.5
	MCH (pg)	25.9 ± 2.5	23.4 - 28.4	29.4 ± 2.5	26.9 - 31.9	31.7 ± 2.5	29.2 - 34.2
	MCHC (g/dL)	31.3 ± 3.0	28.3 - 34.3	32.6 ± 3.0	29.6 - 35.6	32.4 ± 3.0	29.4 - 35.4
	RDW-SD (fL)	47.9 ± 10.0	37.9 - 57.9	48.4 ± 10.0	38.4 - 58.4	49.9 ± 10.0	39.9 - 59.9
	RDW-CV (%)	16.7 ± 5.0	11.7 - 21.7	15.3 ± 5.0	10.3 - 20.3	15.0 ± 5.0	10.0 - 20.0
	PLT (10 ⁹ /L)	55 ± 25	30 - 80	210 ± 40	170 - 250	392 ± 65	327 - 457
	MPV (fL)	7.3 ± 3.0	4.3 - 10.3	8.3 ± 3.0	5.3 - 11.3	9.2 ± 3.0	6.2 - 12.2
	NEUT # (10 ⁹ /L)	2.63 ± 0.50	2.13 - 3.13	4.38 ± 1.00	3.38 - 5.38	12.36 ± 2.52	9.84 - 14.88
	LYMPH # (10 ⁹ /L)	0.50 ± 0.37	0.13 - 0.87	2.07 ± 0.79	1.28 - 2.86	4.29 ± 2.10	2.19 - 6.39
	MONO # (10 ⁹ /L)	0.10 ± 0.09	0.01 - 0.09	0.35 ± 0.19	0.16 - 0.54	0.50 ± 0.50	0.00 - 1.00
	EO # (10 ⁹ /L)	0.61 ± 0.29	0.32 - 0.90	1.02 ± 0.56	0.46 - 1.58	2.79 ± 1.47	1.32 - 4.26
	BASO # (10 ⁹ /L)	3.40 ± 0.82	2.58 - 4.22	5.64 ± 2.00	3.64 - 7.64	17.15 ± 4.20	12.95 - 21.35
	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%	13.0 ± 9.0	4.0 - 22.0	26.5 ± 10.0	16.5 - 36.5	21.5 ± 10.0	11.5 - 31.5
	MONO%	2.5 ± 2.5	0.0 - 5.0	4.5 ± 2.5	2.0 - 7.0	2.5 ± 2.5	0.0 - 5.0
	EO%	16.0 ± 7.0	9.0 - 23.0	13.0 ± 7.0	6.0 - 20.0	14.0 ± 7.0	7.0 - 21.0
	BASO%	88.5 ± 20.0	68.5 - 108.5	72.0 ± 25.0	47.0 - 97.0	86.0 ± 20.0	66.0 - 106.0