

HC5D-B

(Cat No.1502)

HEMATOLOGY CONTROLS

CONTROL

LOT E5226

EXP. 2025-11-26

		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 /L)	3.90 ± 1.20	2.70 - 5.10	7.80 ± 1.80	6.00 - 9.60	20.30 ± 3.00	17.30 - 23.30
	RBC (10 ¹² /L)	2.25 ± 0.15	2.10 - 2.40	4.56 ± 0.24	4.32 - 4.80	5.70 ± 0.30	5.40 - 6.00
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.2 ± 0.6	12.6 - 13.8	17.6 ± 0.7	16.9 - 18.3
	HCT (%)	18.7 ± 2.0	16.7 - 20.7	39.9 ± 2.5	37.4 - 42.4	53.2 ± 3.0	50.2 - 56.2
	MCV (fL)	83.0 ± 5.0	78.0 - 88.0	87.5 ± 5.0	82.5 - 92.5	93.5 ± 5.0	88.5 - 98.5
	MCH (pg)	26.7 ± 2.5	24.2 - 29.2	28.9 ± 2.5	26.4 - 31.4	30.9 ± 2.5	28.4 - 33.4
	MCHC (g/dL)	32.1 ± 3.0	29.1 - 35.1	33.1 ± 3.0	30.1 - 36.1	33.2 ± 3.0	30.2 - 36.2
	RDW-SD (fL)	48.7 ± 10.0	38.7 - 58.7	47.6 ± 10.0	37.6 - 57.6	50.2 ± 10.0	40.2 - 60.2
	RDW-CV (%)	16.5 ± 5.0	11.5 - 21.5	15.6 ± 5.0	10.6 - 20.6	15.5 ± 5.0	10.5 - 20.5
	PLT (10 ⁹ /L)	46 ± 25	21 - 71	215 ± 40	175 - 255	410 ± 65	345 - 475
	MPV (fL)	8.3 ± 3.0	5.3 - 11.3	9.1 ± 3.0	6.1 - 12.1	9.4 ± 3.0	6.4 - 12.4
	NEUT # (10 ⁹ /L)	2.65 ± 0.50	2.15 - 3.15	4.52 ± 1.00	3.52 - 5.52	12.48 ± 2.52	9.96 - 15.00
	LYMPH # (10 ⁹ /L)	0.57 ± 0.37	0.20 - 0.94	1.95 ± 0.79	1.16 - 2.74	4.36 ± 2.10	2.26 - 6.46
	MONO # (10 ⁹ /L)	0.08 ± 0.08	0.00 - 0.16	0.23 ± 0.23	0.00 - 0.46	0.71 ± 0.51	0.20 - 1.22
	EO # (10 ⁹ /L)	0.60 ± 0.29	0.31 - 0.89	1.09 ± 0.56	0.53 - 1.65	2.74 ± 1.47	1.27 - 4.21
	BASO # (10 ⁹ /L)	3.53 ± 0.82	2.71 - 4.35	5.85 ± 2.00	3.85 - 7.85	17.70 ± 4.20	13.50 - 21.90
	NEUT%	68.0 ± 12.0	56.0 - 80.0	58.0 ± 12.0	46.0 - 70.0	61.5 ± 12.0	49.5 - 73.5
	LYMPH%	14.5 ± 9.0	5.5 - 23.5	25.0 ± 10.0	15.0 - 35.0	21.5 ± 10.0	11.5 - 31.5
	MONO%	2.0 ± 2.0	0.0 - 4.0	3.0 ± 3.0	0.0 - 6.0	3.5 ± 3.5	0.0 - 7.0
	EO%	15.5 ± 7.0	8.5 - 22.5	14.0 ± 7.0	7.0 - 21.0	13.5 ± 7.0	6.5 - 20.5
	BASO%	90.5 ± 20.0	70.5 - 110.5	75.0 ± 25.0	50.0 - 100.0	87.5 ± 20.0	67.5 - 107.5