

HC5D-B

(Cat No.1516)

HEMATOLOGY CONTROLS

CONTROL

LOT E5214-01

EXP. 2025-06-16

		LOW		NORMAL		HIGH	
Sysmex XN -1000	Parameters	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
	WBC (10 ⁹ /L)	3.65 ± 1.20	2.45 - 4.85	7.50 ± 1.80	5.70 - 9.30	19.45 ± 3.00	16.45 - 22.45
	WBC-D (10 ⁹ /L)	3.70 ± 1.20	2.50 - 4.90	7.70 ± 1.80	5.90 - 9.50	20.10 ± 3.00	17.10 - 23.10
	RBC (10 ¹² /L)	2.16 ± 0.15	2.01 - 2.31	3.78 ± 0.24	3.54 - 4.02	5.05 ± 0.30	4.75 - 5.35
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	11.1 ± 0.6	10.5 - 11.7	15.8 ± 0.7	15.1 - 16.5
	HCT (%)	18.1 ± 2.0	16.1 - 20.1	32.9 ± 2.5	30.4 - 35.4	47.0 ± 3.0	44.0 - 50.0
	MCV (fL)	84.0 ± 5.0	79.0 - 89.0	87.0 ± 5.0	82.0 - 92.0	93.0 ± 5.0	88.0 - 98.0
	MCH (pg)	27.8 ± 2.5	25.3 - 30.3	29.4 ± 2.5	26.9 - 31.9	31.3 ± 2.5	28.8 - 33.8
	MCHC (g/dL)	33.1 ± 3.0	30.1 - 36.1	33.8 ± 3.0	30.8 - 36.8	33.6 ± 3.0	30.6 - 36.6
	RDW-SD (fL)	49.5 ± 10.0	39.5 - 59.5	49.5 ± 10.0	39.5 - 59.5	50.0 ± 10.0	40.0 - 60.0
	RDW-CV (%)	16.0 ± 5.0	11.0 - 21.0	15.0 ± 5.0	10.0 - 20.0	14.5 ± 5.0	9.5 - 19.5
	PLT (10 ⁹ /L)	51 ± 20	31 - 71	201 ± 40	161 - 241	399 ± 65	334 - 464
	MPV (fL)	9.9 ± 3.0	6.9 - 12.9	8.9 ± 3.0	5.9 - 11.9	8.5 ± 3.0	5.5 - 11.5
	NEUT # (10 ⁹ /L)	2.17 ± 0.36	1.81 - 2.53	3.56 ± 0.75	2.81 - 4.31	11.09 ± 1.95	9.14 - 13.04
	LYMPH # (10 ⁹ /L)	0.55 ± 0.33	0.22 - 0.88	2.14 ± 0.68	1.46 - 2.82	3.99 ± 1.75	2.24 - 5.74
	MONO # (10 ⁹ /L)	0.27 ± 0.27	0.00 - 0.54	0.53 ± 0.53	0.00 - 1.06	0.78 ± 0.78	0.00 - 1.56
	EO # (10 ⁹ /L)	0.49 ± 0.33	0.16 - 0.82	0.94 ± 0.68	0.26 - 1.62	2.72 ± 1.75	0.97 - 4.47
	BASO # (10 ⁹ /L)	0.16 ± 0.16	0.00 - 0.32	0.34 ± 0.34	0.00 - 0.68	0.88 ± 0.88	0.00 - 1.76
	NEUT%	59.5 ± 10.0	49.5 - 69.5	47.5 ± 10.0	37.5 - 57.5	57.0 ± 10.0	47.0 - 67.0
	LYMPH%	15.0 ± 9.0	6.0 - 24.0	28.5 ± 9.0	19.5 - 37.5	20.5 ± 9.0	11.5 - 29.5
	MONO%	7.5 ± 7.5	0.0 - 15.0	7.0 ± 7.0	0.0 - 14.0	4.0 ± 4.0	0.0 - 8.0
	EO%	13.5 ± 9.0	4.5 - 22.5	12.5 ± 9.0	3.5 - 21.5	14.0 ± 9.0	5.0 - 23.0
	BASO%	4.5 ± 4.5	0.0 - 9.0	4.5 ± 4.5	0.0 - 9.0	4.5 ± 4.5	0.0 - 9.0
	NRBC# (10 ⁹ /L)	0.18 ± 0.18	0.00 - 0.36	0.08 ± 0.08	0.00 - 0.16	1.46 ± 1.46	0.00 - 2.92
	NRBC% (/100 WBC)	5.0 ± 5.0	0.0 - 10.0	1.0 ± 1.0	0.0 - 2.0	7.5 ± 7.5	0.0 - 15.0
	RET% (1)	0.50 ± 0.50	0.00 - 1.00	0.80 ± 0.80	0.00 - 1.60	1.00 ± 1.00	0.00 - 2.00
	RET# (1)	0.0108 ± 0.0108	0.0000 - 0.0216	0.0302 ± 0.0302	0.0000 - 0.0604	0.0505 ± 0.0505	0.0000 - 0.1010
	IRF % (1)	20.0 ± 20.0	0.0 - 40.0	20.0 ± 20.0	0.0 - 40.0	20.0 ± 20.0	0.0 - 40.0
	Ret-He (1)	30.0 ± 20.0	10.0 - 50.0	30.0 ± 20.0	10.0 - 50.0	30.0 ± 20.0	10.0 - 50.0
	PLT-O (10 ⁹ /L)	NA		NA		NA	
	PLT-F (10 ⁹ /L)	51 ± 38	13 - 89	210 ± 65	145 - 275	397 ± 85	312 - 482
	PCT (%)	0.05 ± 0.05	0.00 - 0.10	0.18 ± 0.07	0.11 - 0.25	0.36 ± 0.11	0.25 - 0.47
	PDW (fL)	8.5 ± 5.0	3.5 - 13.5	7.5 ± 5.0	2.5 - 12.5	8.0 ± 5.0	3.0 - 13.0
	P-LCR (%)	22.0 ± 20.0	2.0 - 42.0	20.0 ± 20.0	0.0 - 40.0	20.0 ± 20.0	0.0 - 40.0
	IPF (%)	19.5 ± 15.0	4.5 - 34.5	19.5 ± 15.0	4.5 - 34.5	19.5 ± 15.0	4.5 - 34.5
	IG # (10 ⁹ /L)	0.55 ± 0.18	0.37 - 0.73	0.90 ± 0.38	0.52 - 1.28	2.72 ± 0.97	1.75 - 3.69
	IG%	15.0 ± 5.0	10.0 - 20.0	12.0 ± 5.0	7.0 - 17.0	14.0 ± 5.0	9.0 - 19.0
	RBC-O (10 ¹² /L)	2.12 ± 0.30	1.82 - 2.42	3.67 ± 0.50	3.17 - 4.17	5.00 ± 0.60	4.40 - 5.60
	LFR % (1)	80.0 ± 20.0	60.0 - 100.0	80.0 ± 20.0	60.0 - 100.0	80.0 ± 20.0	60.0 - 100.0
	MRF % (1)	14.0 ± 14.0	0.0 - 28.0	14.0 ± 14.0	0.0 - 28.0	14.0 ± 14.0	0.0 - 28.0
	HRF % (1)	6.0 ± 6.0	0.0 - 12.0	6.0 ± 6.0	0.0 - 12.0	6.0 ± 6.0	0.0 - 12.0