

HC5D-B

(Cat No.1516)

HEMATOLOGY CONTROLS

CONTROL

LOT E5218

EXP. 2025-08-16

		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)	3.70 ± 1.20	2.50 - 4.90	7.15 ± 1.80	5.35 - 8.95	20.05 ± 3.00	17.05 - 23.05
	WBC-D (10 ⁹ /L)	3.70 ± 1.20	2.50 - 4.90	7.50 ± 1.80	5.70 - 9.30	20.35 ± 3.00	17.35 - 23.35
	RBC (10 ¹² /L)	2.32 ± 0.15	2.17 - 2.47	4.61 ± 0.24	4.37 - 4.85	5.55 ± 0.30	5.25 - 5.85
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.3 ± 0.6	12.7 - 13.9	17.6 ± 0.7	16.9 - 18.3
	HCT (%)	18.4 ± 2.0	16.4 - 20.4	40.3 ± 2.5	37.8 - 42.8	52.4 ± 3.0	49.4 - 55.4
	MCV (fL)	79.5 ± 5.0	74.5 - 84.5	87.5 ± 5.0	82.5 - 92.5	94.5 ± 5.0	89.5 - 99.5
	MCH (pg)	25.9 ± 2.5	23.4 - 28.4	28.9 ± 2.5	26.4 - 31.4	31.7 ± 2.5	29.2 - 34.2
	MCHC (g/dL)	32.5 ± 3.0	29.5 - 35.5	33.0 ± 3.0	30.0 - 36.0	33.6 ± 3.0	30.6 - 36.6
	RDW-SD (fL)	53.0 ± 10.0	43.0 - 63.0	47.5 ± 10.0	37.5 - 57.5	50.0 ± 10.0	40.0 - 60.0
	RDW-CV (%)	18.5 ± 5.0	13.5 - 23.5	15.0 ± 5.0	10.0 - 20.0	15.0 ± 5.0	10.0 - 20.0
	PLT (10 ⁹ /L)	49 ± 20	29 - 69	202 ± 40	162 - 242	393 ± 65	328 - 458
	MPV (fL)	9.1 ± 3.0	6.1 - 12.1	8.3 ± 3.0	5.3 - 11.3	8.4 ± 3.0	5.4 - 11.4
	NEUT # (10 ⁹ /L)	2.15 ± 0.37	1.78 - 2.52	3.58 ± 0.72	2.86 - 4.30	11.33 ± 2.01	9.32 - 13.34
	LYMPH # (10 ⁹ /L)	0.57 ± 0.33	0.24 - 0.90	1.93 ± 0.64	1.29 - 2.57	4.21 ± 1.80	2.41 - 6.01
	MONO # (10 ⁹ /L)	0.30 ± 0.30	0.00 - 0.60	0.50 ± 0.50	0.00 - 1.00	0.80 ± 0.80	0.00 - 1.60
	EO # (10 ⁹ /L)	0.52 ± 0.33	0.19 - 0.85	0.82 ± 0.64	0.18 - 1.46	2.81 ± 1.81	1.00 - 4.62
	BASO # (10 ⁹ /L)	0.17 ± 0.17	0.00 - 0.34	0.32 ± 0.32	0.00 - 0.64	0.90 ± 0.90	0.00 - 1.80
	NEUT%	58.0 ± 10.0	48.0 - 68.0	50.0 ± 10.0	40.0 - 60.0	56.5 ± 10.0	46.5 - 66.5
	LYMPH%	15.5 ± 9.0	6.5 - 24.5	27.0 ± 9.0	18.0 - 36.0	21.0 ± 9.0	12.0 - 30.0
	MONO%	8.0 ± 8.0	0.0 - 16.0	7.0 ± 7.0	0.0 - 14.0	4.0 ± 4.0	0.0 - 8.0
	EO%	14.0 ± 9.0	5.0 - 23.0	11.5 ± 9.0	2.5 - 20.5	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)	0.17 ± 0.17	0.00 - 0.34	0.07 ± 0.07	0.00 - 0.14	1.20 ± 1.20	0.00 - 2.40
	NRBC% (/100 WBC)	4.5 ± 4.5	0.0 - 9.0	1.0 ± 1.0	0.0 - 2.0	6.0 ± 6.0	0.0 - 12.0
	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)	0.0116 ± 0.0116	0.0000 - 0.0232	0.0369 ± 0.0369	0.0000 - 0.0738	0.0555 ± 0.0555	0.0000 - 0.1110
	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)	56 ± 38	18 - 94	227 ± 65	162 - 292	393 ± 85	308 - 478
	PCT (%)	0.05 ± 0.05	0.00 - 0.10	0.17 ± 0.07	0.10 - 0.24	0.33 ± 0.11	0.22 - 0.44
	PDW (fL)	8.0 ± 5.0	3.0 - 13.0	7.5 ± 5.0	2.5 - 12.5	8.0 ± 5.0	3.0 - 13.0
	P-LCR (%)	20.0 ± 20.0	0.0 - 40.0	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)	0.56 ± 0.19	0.37 - 0.75	0.89 ± 0.36	0.53 - 1.25	2.81 ± 1.00	1.81 - 3.81
	IG%	15.0 ± 5.0	10.0 - 20.0	12.5 ± 5.0	7.5 - 17.5	14.0 ± 5.0	9.0 - 19.0
	RBC-O (10 ¹² /L)	2.30 ± 0.30	2.00 - 2.60	4.48 ± 0.50	3.98 - 4.98	5.44 ± 0.60	4.84 - 6.04
	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