



**HEMATOLOGY CONTROL FOR SYSMEX XT-1800i and XT-2000i SERIES ANALYZERS
OPEN MODE ASSAY**

Expiration Date: 2012-02-27		Quality Control Data Due Date #1: 16-Jan-12			Quality Control Data Due Date #2: 27-Feb-12				
Lot Number:		13410810		13410811		13410812			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
OPEN	RBC (10 ¹² /L)	2.31	2.22 - 2.40	4.32	4.19 - 4.45	5.26	5.10 - 5.42		
	HGB (g/dL)	5.7	5.5 - 5.9	12.0	11.6 - 12.4	15.7	15.2 - 16.2		
	HCT (%)	17.8	16.9 - 18.7	36.1	34.5 - 37.7	46.3	44.2 - 48.4		
	MCV (fL)	76.9	70.4 - 84.3	83.4	77.5 - 90.0	88.0	81.6 - 94.8		
	MCH (pg)	24.7	22.8 - 26.7	27.9	26.2 - 29.5	29.9	28.1 - 31.7		
	MCHC (g/dL)	32.0	29.3 - 35.1	33.4	30.9 - 35.9	34.0	31.5 - 36.6		
	PLT (10 ⁹ /L)	56	34 - 78	211	188 - 234	491	447 - 535		
	RDW-SD (fL)	46.5	41.9 - 51.2	43.6	39.2 - 48.0	43.9	39.5 - 48.3		
	RDW-CV (%)	16.9	15.2 - 18.6	14.9	13.4 - 16.4	14.4	13.0 - 15.8		
	MPV (fL)	9.3	8.6 - 10.0	9.8	9.2 - 10.4	10.1	9.5 - 10.7		
	WBC (10 ⁹ /L)	3.02	2.72 - 3.32	7.55	7.10 - 8.00	18.44	17.33 - 19.55		
	NEUT%	46.4	37.1 - 55.7	48.0	40.8 - 55.2	52.5	44.6 - 60.4		
	LYMPH%	32.3	19.4 - 45.2	29.9	23.9 - 35.9	24.4	19.5 - 29.3		
	MONO%	11.7	2.3 - 21.1	11.7	7.0 - 16.4	11.8	8.3 - 15.3		
	EO%	9.6	6.7 - 12.5	10.3	7.2 - 13.4	11.2	8.4 - 14.0		
	BASO%	62.8	44.0 - 81.6	67.2	47.0 - 87.4	74.9	56.2 - 93.6		
	NEUT# (10 ⁹ /L)	1.40	1.12 - 1.68	3.63	3.09 - 4.17	9.69	8.24 - 11.14		
	LYMPH# (10 ⁹ /L)	0.98	0.59 - 1.37	2.26	1.81 - 2.71	4.51	3.61 - 5.41		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.89	0.36 - 1.42	2.18	1.31 - 3.05		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.78	0.55 - 1.01	2.07	1.55 - 2.59		
	BASO# (10 ⁹ /L)	1.90	1.33 - 2.47	5.07	3.55 - 6.59	13.81	10.36 - 17.26		
	PLT-O (10 ⁹ /L)	52	29 - 75	208	177 - 239	516	439 - 593		
	RET# (10 ¹² /L)	0.1457	0.1020 - 0.1894	0.1036	0.0725 - 0.1347	0.0522	0.0365 - 0.0679		
	RET%	6.30	4.41 - 8.19	2.40	1.68 - 3.12	0.99	0.69 - 1.29		
	IRF (%)	53.3	33.3 - 73.3	50.2	30.2 - 70.2	38.4	18.4 - 58.4		
	IG # ^a	0.37	0.33 - 0.41	0.98	0.74 - 1.23	2.74	1.92 - 3.56		
	IG % ^a	12.4	8.7 - 16.1	13.1	9.8 - 16.4	14.2	8.5 - 19.9		
	RET-He (pg) ^b	24.2	16.9 - 31.5	24.5	18.4 - 30.6	25.0	15.0 - 35.0		

^a IG values are only available with the Sysmex XT-Series IG Master software.

^b RET-HE values are only available with the Sysmex XT-Series RET Master software.

Sysmex recommends that laboratories establish their own Q.C. Target Values for each new lot number by collecting at least 10 data points per control level over 5 days. The mean Q.C. Target Values from this data collection should be inside the Expected Ranges. These Expected Ranges represent estimates of interlaboratory variation and are not included for use as the laboratory's internal Q.C. file limits. Sysmex recommends that each laboratory establish its own Q.C. file limits based on the laboratory's historical coefficient of variation. See your Sysmex Training Manual for more information on establishing Q.C. file limits.

