



**HEMATOLOGY CONTROL FOR SYSMEX XE-2100D ANALYZERS IN BLOOD CENTERS
OPEN MODE ASSAY**

Expiration Date: 2010-05-24		Quality Control Data Due Date #1: 12-Apr-10			Quality Control Data Due Date #2: 24-May-10			
Lot Number:		00610801		00610802		00610803		
Control:		L1:Level 1		L2:Level 2		L3:Level 3		
PARAMETERS		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		
O P E N	RBC (10 ¹² /L)	2.29	2.20	- 2.38	4.28	4.15 - 4.41	5.16	5.01 - 5.31
	HGB (g/dL)	5.7	5.5	- 5.9	12.1	11.7 - 12.5	15.9	15.4 - 16.4
	HCT (%)	17.5	16.6	- 18.4	35.4	33.8 - 37.0	45.7	43.6 - 47.8
	MCV (fL)	76.5	69.8	- 83.6	82.5	76.7 - 89.1	88.6	82.1 - 95.4
	MCH (pg)	25.0	23.0	- 27.0	28.2	26.6 - 30.0	30.9	29.0 - 32.7
	MCHC (g/dL)	33.0	29.8	- 35.7	34.6	31.7 - 36.9	35.2	32.3 - 37.5
	PLT (10 ⁹ /L)	58	35	- 81	227	202 - 252	526	479 - 573
	RDW-SD (fL)	45.5	41.0	- 50.1	43.8	39.4 - 48.2	45.9	41.3 - 50.5
	RDW-CV (%)	16.5	14.9	- 18.2	14.9	13.4 - 16.4	14.5	13.1 - 16.0
	MPV (fL)	9.1	8.4	- 9.8	9.4	8.8 - 10.0	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	3.02	2.72	- 3.32	6.93	6.51 - 7.35	16.01	15.05 - 16.97
	NEUT%	44.6	35.7	- 53.5	48.8	41.5 - 56.1	53.7	45.6 - 61.8
	LYMPH%	34.2	20.5	- 47.9	28.9	23.1 - 34.7	23.5	18.8 - 28.2
	MONO%	11.7	2.3	- 21.1	11.6	7.0 - 16.2	11.1	7.8 - 14.4
	EO%	9.6	6.7	- 12.5	10.8	7.6 - 14.0	11.6	8.7 - 14.5
	BASO%	64.0	44.8	- 83.2	70.2	49.1 - 91.3	76.1	57.1 - 95.1
NEUT# (10 ⁹ /L)	1.35	1.08	- 1.62	3.38	2.87 - 3.89	8.61	7.32 - 9.90	
LYMPH# (10 ⁹ /L)	1.03	0.62	- 1.44	2.00	1.60 - 2.40	3.77	3.02 - 4.52	
MONO# (10 ⁹ /L)	0.35	0.07	- 0.63	0.80	0.32 - 1.28	1.79	1.07 - 2.51	
EO# (10 ⁹ /L)	0.29	0.20	- 0.38	0.75	0.53 - 0.98	1.85	1.39 - 2.31	
BASO# (10 ⁹ /L)	1.93	1.35	- 2.51	4.87	3.41 - 6.33	12.19	9.14 - 15.24	



**HEMATOLOGY CONTROL FOR SYSMEX XE-2100D ANALYZERS IN BLOOD CENTERS
CLOSED MODE ASSAY**

Expiration Date: 2010-05-24		Quality Control Data Due Date #1: 12-Apr-10			Quality Control Data Due Date #2: 24-May-10				
Lot Number:		00610801		00610802		00610803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
C L O S E D M O D E	RBC (10 ¹² /L)	2.29	2.15 - 2.43	4.28	4.07 - 4.49	5.16	4.90 - 5.42		
	HGB (g/dL)	5.7	5.4 - 6.0	12.1	11.5 - 12.7	15.9	15.1 - 16.7		
	HCT (%)	17.5	16.3 - 18.7	35.4	33.3 - 37.5	45.7	43.0 - 48.4		
	MCV (fL)	76.5	67.0 - 87.0	82.5	74.0 - 92.3	88.6	79.3 - 98.8		
	MCH (pg)	25.0	22.1 - 28.1	28.2	25.6 - 31.2	30.9	27.9 - 34.1		
	MCHC (g/dL)	33.0	28.6 - 37.1	34.6	30.6 - 38.2	35.2	31.2 - 38.9		
	PLT (10 ⁹ /L)	57	28 - 85	218	185 - 251	489	416 - 563		
	RDW-SD (fL)	45.5	41.0 - 50.1	43.8	39.4 - 48.2	45.9	41.3 - 50.5		
	RDW-CV (%)	16.5	14.9 - 18.2	14.9	13.4 - 16.4	14.5	13.1 - 16.0		
	MPV (fL)	9.1	8.4 - 9.8	9.4	8.8 - 10.0	9.6	9.0 - 10.2		
	WBC (10 ⁹ /L)	2.93	2.49 - 3.37	6.58	5.99 - 7.18	15.69	14.43 - 16.94		
	NEUT%	44.5	35.6 - 53.4	49.1	41.7 - 56.4	53.1	45.1 - 61.1		
	LYMPH%	34.1	20.5 - 47.7	28.6	22.8 - 34.3	24.0	19.2 - 28.8		
	MONO%	11.9	2.4 - 21.5	11.4	6.9 - 16.0	11.1	7.7 - 14.4		
	EO%	9.4	6.6 - 12.2	10.9	7.7 - 14.2	11.8	8.8 - 14.7		
	BASO%	64.6	45.2 - 83.9	68.8	48.2 - 89.4	74.6	55.9 - 93.2		
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.57	3.23	2.75 - 3.72	8.33	7.08 - 9.58		
	LYMPH# (10 ⁹ /L)	1.00	0.60 - 1.40	1.88	1.50 - 2.26	3.77	3.02 - 4.52		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.75	0.30 - 1.20	1.74	1.04 - 2.43		
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.72	0.50 - 0.94	1.85	1.39 - 2.31		
BASO# (10 ⁹ /L)	1.89	1.32 - 2.46	4.53	3.17 - 5.89	11.70	8.78 - 14.63			