



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

Expiration Date: 2012-03-26		Quality Control Data Due Date #1: 13-Feb-12			Quality Control Data Due Date #2: 26-Mar-12					
Lot Number:		20050801		20050802		20050803				
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)	2.22	2.13	- 2.31	4.36	4.23	- 4.49	5.23	5.07	- 5.39
	HGB (g/dL)	5.6	5.4	- 5.8	12.5	12.1	- 12.9	16.3	15.8	- 16.8
	HCT (%)	17.1	16.2	- 18.0	36.7	35.0	- 38.4	46.3	44.2	- 48.4
	MCV (fL)	76.9	70.4	- 84.2	84.1	78.0	- 90.7	88.5	82.1	- 95.4
	MCH (pg)	25.2	23.3	- 27.3	28.7	27.0	- 30.4	31.1	29.4	- 33.1
	MCHC (g/dL)	32.7	29.9	- 35.9	34.1	31.6	- 36.7	35.1	32.7	- 38.0
	PLT (10 ⁹ /L)	57	34	- 80	224	199	- 249	532	484	- 580
	RDW-SD (fL)	44.2	39.8	- 48.6	45.2	40.7	- 49.7	43.7	39.3	- 48.1
	RDW-CV (%)	15.7	14.1	- 17.3	14.7	13.2	- 16.2	13.6	12.2	- 15.0
	MPV (fL)	8.8	8.1	- 9.5	9.2	8.6	- 9.8	9.3	8.7	- 9.9
	WBC (10 ⁹ /L)	2.97	2.67	- 3.27	7.08	6.66	- 7.50	16.63	15.63	- 17.63
	NEUT%	45.4	36.3	- 54.5	48.3	41.1	- 55.5	52.6	44.7	- 60.5
	LYMPH%	33.9	20.3	- 47.5	30.7	24.6	- 36.8	25.1	20.1	- 30.1
	MONO%	11.0	2.2	- 19.8	10.9	6.5	- 15.3	11.0	7.7	- 14.3
	EO%	9.7	6.8	- 12.6	10.1	7.1	- 13.1	11.4	8.6	- 14.3
	BASO%	65.6	45.9	- 85.3	68.9	48.2	- 89.6	74.4	55.8	- 93.0
	NEUT# (10 ⁹ /L)	1.35	1.08	- 1.62	3.42	2.91	- 3.93	8.74	7.43	- 10.05
	LYMPH# (10 ⁹ /L)	1.01	0.61	- 1.41	2.17	1.74	- 2.60	4.17	3.34	- 5.00
MONO# (10 ⁹ /L)	0.33	0.07	- 0.59	0.77	0.31	- 1.23	1.82	1.09	- 2.55	
EO# (10 ⁹ /L)	0.29	0.20	- 0.38	0.72	0.50	- 0.94	1.89	1.42	- 2.36	
BASO# (10 ⁹ /L)	1.95	1.37	- 2.54	4.87	3.41	- 6.33	12.38	9.29	- 15.48	



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

Expiration Date: 2012-03-26		Quality Control Data Due Date #1: 13-Feb-12			Quality Control Data Due Date #2: 26-Mar-12				
Lot Number:		20050801		20050802		20050803			
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)	2.22	2.09 - 2.35	4.36	4.14 - 4.58	5.23	4.97 - 5.49		
	HGB (g/dL)	5.6	5.3 - 5.9	12.5	11.9 - 13.1	16.3	15.5 - 17.1		
	HCT (%)	17.1	15.9 - 18.3	36.7	34.5 - 38.9	46.3	43.5 - 49.1		
	MCV (fL)	76.9	67.6 - 87.7	84.1	75.4 - 93.9	88.5	79.3 - 98.8		
	MCH (pg)	25.2	22.4 - 28.4	28.7	25.9 - 31.7	31.1	28.2 - 34.4		
	MCHC (g/dL)	32.7	28.8 - 37.3	34.1	30.5 - 38.0	35.1	31.6 - 39.3		
	PLT (10 ⁹ /L)	56	28 - 84	215	183 - 247	495	421 - 569		
	RDW-SD (fL)	44.2	39.8 - 48.6	45.2	40.7 - 49.7	43.7	39.3 - 48.1		
	RDW-CV (%)	15.7	14.1 - 17.3	14.7	13.2 - 16.2	13.6	12.2 - 15.0		
	MPV (fL)	8.8	8.1 - 9.5	9.2	8.6 - 9.8	9.3	8.7 - 9.9		
	WBC (10 ⁹ /L)	2.88	2.45 - 3.31	6.66	6.06 - 7.26	16.30	15.00 - 17.60		
	NEUT%	44.8	35.8 - 53.8	48.2	41.0 - 55.4	52.0	44.2 - 59.8		
	LYMPH%	34.0	20.4 - 47.6	30.6	24.5 - 36.8	25.6	20.5 - 30.7		
	MONO%	11.5	2.3 - 20.6	10.8	6.5 - 15.1	10.9	7.6 - 14.1		
	EO%	9.7	6.8 - 12.6	10.4	7.3 - 13.5	11.6	8.7 - 14.5		
	BASO%	66.3	46.4 - 86.2	68.0	47.6 - 88.4	72.9	54.7 - 91.1		
	NEUT# (10 ⁹ /L)	1.29	1.03 - 1.55	3.21	2.73 - 3.69	8.47	7.20 - 9.74		
	LYMPH# (10 ⁹ /L)	0.98	0.59 - 1.37	2.04	1.63 - 2.45	4.17	3.34 - 5.00		
	MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.72	0.29 - 1.15	1.77	1.06 - 2.48		
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.69	0.48 - 0.90	1.89	1.42 - 2.36		
BASO# (10 ⁹ /L)	1.91	1.34 - 2.48	4.53	3.17 - 5.89	11.88	8.91 - 14.85			