



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

Expiration Date: 2011-12-05		Quality Control Data Due Date #1: 24-Oct-11				Quality Control Data Due Date #2: 5-Dec-11				
Lot Number:		12590801		12590802		12590803				
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)	2.17	2.08	- 2.26	4.20	4.07	- 4.33	5.13	4.98	- 5.28
	HGB (g/dL)	5.5	5.3	- 5.7	12.1	11.7	- 12.5	16.1	15.6	- 16.6
	HCT (%)	16.8	16.0	- 17.6	35.4	33.8	- 37.0	46.0	43.9	- 48.1
	MCV (fL)	77.3	70.7	- 84.7	84.4	78.1	- 90.8	89.7	83.1	- 96.6
	MCH (pg)	25.3	23.4	- 27.5	28.9	27.1	- 30.6	31.4	29.6	- 33.3
	MCHC (g/dL)	32.8	29.9	- 35.8	34.3	31.7	- 36.9	35.1	32.5	- 37.7
	PLT (10 ⁹ /L)	59	35	- 83	228	203	- 253	541	492	- 590
	RDW-SD (fL)	44.5	40.1	- 49.0	45.6	41.0	- 50.2	43.7	39.3	- 48.1
	RDW-CV (%)	15.7	14.1	- 17.3	14.9	13.4	- 16.4	13.5	12.2	- 14.9
	MPV (fL)	8.9	8.2	- 9.6	9.2	8.6	- 9.8	9.5	8.9	- 10.1
	WBC (10 ⁹ /L)	3.00	2.70	- 3.30	7.21	6.78	- 7.64	16.67	15.67	- 17.67
	NEUT%	44.4	35.5	- 53.3	48.7	41.4	- 56.0	53.0	45.1	- 61.0
	LYMPH%	36.1	21.7	- 50.5	30.4	24.3	- 36.5	24.8	19.8	- 29.8
	MONO%	9.8	2.0	- 17.6	10.5	6.3	- 14.7	10.9	7.6	- 14.2
	EO%	9.6	6.7	- 12.5	10.4	7.3	- 13.5	11.3	8.5	- 14.1
	BASO%	63.3	44.3	- 82.3	69.1	48.4	- 89.8	75.0	56.3	- 93.8
	NEUT# (10 ⁹ /L)	1.33	1.06	- 1.60	3.51	2.98	- 4.04	8.84	7.51	- 10.17
	LYMPH# (10 ⁹ /L)	1.08	0.65	- 1.51	2.19	1.75	- 2.63	4.13	3.30	- 4.96
MONO# (10 ⁹ /L)	0.30	0.06	- 0.54	0.76	0.30	- 1.22	1.82	1.09	- 2.55	
EO# (10 ⁹ /L)	0.29	0.20	- 0.38	0.75	0.53	- 0.98	1.89	1.42	- 2.36	
BASO# (10 ⁹ /L)	1.90	1.33	- 2.47	4.98	3.49	- 6.47	12.51	9.38	- 15.64	



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

Expiration Date: 2011-12-05		Quality Control Data Due Date #1: 24-Oct-11			Quality Control Data Due Date #2: 5-Dec-11				
Lot Number:		12590801		12590802		12590803			
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	RBC (10 ¹² /L)	2.17	2.04 - 2.30	4.20	3.99 - 4.41	5.13	4.87 - 5.39		
	HGB (g/dL)	5.5	5.2 - 5.8	12.1	11.5 - 12.7	16.1	15.3 - 16.9		
	HCT (%)	16.8	15.6 - 18.0	35.4	33.3 - 37.5	46.0	43.2 - 48.8		
	MCV (fL)	77.3	67.9 - 88.1	84.4	75.5 - 94.0	89.7	80.3 - 100.1		
	MCH (pg)	25.3	22.5 - 28.6	28.9	26.1 - 31.8	31.4	28.4 - 34.7		
	MCHC (g/dL)	32.8	28.8 - 37.3	34.3	30.6 - 38.2	35.1	31.4 - 39.1		
	PLT (10 ⁹ /L)	58	29 - 87	219	186 - 252	503	428 - 579		
	RDW-SD (fL)	44.5	40.1 - 49.0	45.6	41.0 - 50.2	43.7	39.3 - 48.1		
	RDW-CV (%)	15.7	14.1 - 17.3	14.9	13.4 - 16.4	13.5	12.2 - 14.9		
	MPV (fL)	8.9	8.2 - 9.6	9.2	8.6 - 9.8	9.5	8.9 - 10.1		
	WBC (10 ⁹ /L)	2.91	2.47 - 3.35	6.85	6.23 - 7.47	16.34	15.03 - 17.64		
	NEUT%	44.0	35.2 - 52.8	49.0	41.7 - 56.4	52.3	44.5 - 60.2		
	LYMPH%	36.1	21.6 - 50.5	30.1	24.1 - 36.1	25.3	20.2 - 30.3		
	MONO%	10.3	2.1 - 18.6	10.4	6.2 - 14.5	10.8	7.6 - 14.1		
	EO%	9.6	6.7 - 12.5	10.5	7.4 - 13.7	11.6	8.7 - 14.5		
	BASO%	63.9	44.7 - 83.1	67.6	47.3 - 87.9	73.5	55.1 - 91.9		
	NEUT# (10 ⁹ /L)	1.28	1.02 - 1.54	3.36	2.86 - 3.86	8.55	7.27 - 9.83		
	LYMPH# (10 ⁹ /L)	1.05	0.63 - 1.47	2.06	1.65 - 2.47	4.13	3.30 - 4.96		
	MONO# (10 ⁹ /L)	0.30	0.06 - 0.54	0.71	0.28 - 1.14	1.77	1.06 - 2.48		
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.72	0.50 - 0.94	1.89	1.42 - 2.36		
BASO# (10 ⁹ /L)	1.86	1.30 - 2.42	4.63	3.24 - 6.02	12.01	9.01 - 15.01			