



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

Expiration Date: 2010-09-13		Quality Control Data Due Date #1: 2-Aug-10			Quality Control Data Due Date #2: 13-Sep-10					
Lot Number:		01750801		01750802		01750803				
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)	2.26	2.17	- 2.35	4.36	4.23	- 4.49	5.22	5.06	- 5.38
	HGB (g/dL)	5.6	5.4	- 5.8	11.9	11.5	- 12.3	15.6	15.1	- 16.1
	HCT (%)	17.0	16.2	- 17.9	34.8	33.2	- 36.4	44.5	42.5	- 46.5
	MCV (fL)	75.3	68.7	- 82.3	79.8	74.0	- 86.0	85.3	79.0	- 91.8
	MCH (pg)	24.8	22.9	- 26.8	27.3	25.7	- 29.0	29.8	28.1	- 31.7
	MCHC (g/dL)	32.9	30.1	- 36.1	34.2	31.7	- 36.9	35.0	32.5	- 37.8
	PLT (10 ⁹ /L)	57	34	- 80	216	192	- 240	525	478	- 572
	RDW-SD (fL)	45.3	40.8	- 49.8	44.2	39.8	- 48.6	44.3	39.9	- 48.7
	RDW-CV (%)	16.4	14.8	- 18.0	15.1	13.6	- 16.6	14.5	13.1	- 16.0
	MPV (fL)	9.0	8.3	- 9.7	9.4	8.8	- 10.0	9.6	9.0	- 10.2
	WBC (10 ⁹ /L)	2.99	2.69	- 3.29	6.95	6.53	- 7.37	16.59	15.59	- 17.59
	NEUT%	43.8	35.0	- 52.6	48.5	41.2	- 55.8	57.0	48.5	- 65.6
	LYMPH%	35.8	21.5	- 50.1	29.5	23.6	- 35.4	20.8	16.6	- 25.0
	MONO%	11.0	2.2	- 19.8	11.2	6.7	- 15.7	10.5	7.4	- 13.7
	EO%	9.5	6.7	- 12.4	10.8	7.6	- 14.0	11.7	8.8	- 14.6
	BASO%	63.6	44.5	- 82.7	70.0	49.0	- 91.0	78.8	59.1	- 98.5
NEUT# (10 ⁹ /L)	1.31	1.05	- 1.57	3.37	2.86	- 3.88	9.47	8.05	- 10.89	
LYMPH# (10 ⁹ /L)	1.07	0.64	- 1.50	2.05	1.64	- 2.46	3.45	2.76	- 4.14	
MONO# (10 ⁹ /L)	0.33	0.07	- 0.59	0.78	0.31	- 1.25	1.73	1.04	- 2.42	
EO# (10 ⁹ /L)	0.28	0.20	- 0.36	0.75	0.53	- 0.98	1.94	1.46	- 2.43	
BASO# (10 ⁹ /L)	1.90	1.33	- 2.47	4.87	3.41	- 6.33	13.08	9.81	- 16.35	



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

Expiration Date 2010-09-13		Quality Control Data Due Date #1: 2-Aug-10			Quality Control Data Due Date #2: 13-Sep-10			
Lot Number:		01750801		01750802		01750803		
Control:		L1:Level 1		L2:Level 2		L3:Level 3		
PARAMETERS		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		
C L O S E D	RBC (10 ¹² /L)	2.26	2.12	- 2.40	4.36	4.14 - 4.58	5.22	4.96 - 5.48
	HGB (g/dL)	5.6	5.3	- 5.9	11.9	11.3 - 12.5	15.6	14.8 - 16.4
	HCT (%)	17.0	15.8	- 18.2	34.8	32.7 - 36.9	44.5	41.8 - 47.2
	MCV (fL)	75.3	66.0	- 85.6	79.8	71.5 - 89.1	85.3	76.3 - 95.1
	MCH (pg)	24.8	22.0	- 27.9	27.3	24.7 - 30.2	29.8	27.0 - 33.0
	MCHC (g/dL)	32.9	28.9	- 37.5	34.2	30.6 - 38.2	35.0	31.4 - 39.2
	PLT (10 ⁹ /L)	56	28	- 84	207	176 - 238	488	415 - 561
	RDW-SD (fL)	45.3	40.8	- 49.8	44.2	39.8 - 48.6	44.3	39.9 - 48.7
	RDW-CV (%)	16.4	14.8	- 18.0	15.1	13.6 - 16.6	14.5	13.1 - 16.0
	MPV (fL)	9.0	8.3	- 9.7	9.4	8.8 - 10.0	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	2.90	2.47	- 3.34	6.60	6.01 - 7.20	16.26	14.96 - 17.56
	NEUT%	43.7	34.9	- 52.4	48.8	41.5 - 56.1	56.5	48.0 - 65.0
	LYMPH%	35.8	21.5	- 50.1	29.2	23.3 - 35.0	21.2	17.0 - 25.5
	MONO%	11.4	2.3	- 20.5	11.1	6.7 - 15.5	10.3	7.2 - 13.4
	EO%	9.2	6.4	- 11.9	10.9	7.6 - 14.2	11.9	8.9 - 14.9
	BASO%	64.2	44.9	- 83.5	68.6	48.0 - 89.2	77.2	57.9 - 96.5
	NEUT# (10 ⁹ /L)	1.27	1.01	- 1.52	3.22	2.74 - 3.71	9.19	7.81 - 10.57
	LYMPH# (10 ⁹ /L)	1.04	0.62	- 1.45	1.93	1.54 - 2.31	3.45	2.76 - 4.14
MONO# (10 ⁹ /L)	0.33	0.07	- 0.59	0.73	0.29 - 1.17	1.68	1.01 - 2.35	
EO# (10 ⁹ /L)	0.27	0.19	- 0.35	0.72	0.50 - 0.94	1.94	1.46 - 2.43	
BASO# (10 ⁹ /L)	1.86	1.30	- 2.42	4.53	3.17 - 5.89	12.56	9.42 - 15.70	