



**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:		01730801		01730802		01730803		
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)	2.30	2.21	- 2.39	4.33	4.20 - 4.46	5.22	5.06 - 5.38
	HGB (g/dL)	5.8	5.6	- 6.0	11.9	11.5 - 12.3	16.1	15.6 - 16.6
	HCT (%)	17.6	16.7	- 18.5	34.7	33.1 - 36.3	45.6	43.5 - 47.7
	MCV (fL)	76.2	69.9	- 83.7	80.2	74.3 - 86.3	87.3	81.0 - 94.1
	MCH (pg)	25.0	23.3	- 27.3	27.4	25.9 - 29.2	30.7	29.0 - 32.8
	MCHC (g/dL)	32.8	30.1	- 36.1	34.2	31.8 - 37.0	35.2	32.8 - 38.1
	PLT (10 ⁹ /L)	56	34	- 78	226	201 - 251	529	481 - 577
	RDW-SD (fL)	45.9	41.3	- 50.5	45.0	40.5 - 49.5	45.7	41.1 - 50.3
	RDW-CV (%)	16.5	14.9	- 18.2	15.4	13.9 - 16.9	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)	2.95	2.66	- 3.25	6.86	6.45 - 7.27	16.54	15.55 - 17.53
	NEUT%	46.3	37.0	- 55.6	48.3	41.1 - 55.5	53.5	45.5 - 61.5
	LYMPH%	33.3	20.0	- 46.6	29.8	23.8 - 35.8	24.8	19.8 - 29.8
	MONO%	10.6	2.1	- 19.1	11.2	6.7 - 15.7	10.6	7.4 - 13.8
	EO%	9.7	6.8	- 12.6	10.7	7.5 - 13.9	11.1	8.3 - 13.9
	BASO%	65.5	45.9	- 85.2	70.2	49.1 - 91.3	75.4	56.6 - 94.3
NEUT# (10 ⁹ /L)	1.37	1.10	- 1.64	3.31	2.81 - 3.81	8.85	7.52 - 10.18	
LYMPH# (10 ⁹ /L)	0.98	0.59	- 1.37	2.04	1.63 - 2.45	4.11	3.29 - 4.93	
MONO# (10 ⁹ /L)	0.31	0.06	- 0.56	0.77	0.31 - 1.23	1.76	1.06 - 2.46	
EO# (10 ⁹ /L)	0.29	0.20	- 0.38	0.73	0.51 - 0.95	1.83	1.37 - 2.29	
BASO# (10 ⁹ /L)	1.93	1.35	- 2.51	4.81	3.37 - 6.25	12.47	9.35 - 15.59	



**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:		01730801		01730802		01730803	
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)	2.30	2.16 - 2.44	4.33	4.11 - 4.55	5.22	4.96 - 5.48
	HGB (g/dL)	5.8	5.5 - 6.1	11.9	11.3 - 12.5	16.1	15.3 - 16.9
	HCT (%)	17.6	16.4 - 18.8	34.7	32.6 - 36.8	45.6	42.9 - 48.3
	MCV (fL)	76.2	67.1 - 87.1	80.2	71.7 - 89.4	87.3	78.2 - 97.5
	MCH (pg)	25.0	22.4 - 28.4	27.4	24.9 - 30.4	30.7	27.9 - 34.1
	MCHC (g/dL)	32.8	29.0 - 37.6	34.2	30.7 - 38.3	35.2	31.6 - 39.4
	PLT (10 ⁹ /L)	55	27 - 82	217	184 - 250	492	418 - 566
	RDW-SD (fL)	45.9	41.3 - 50.5	45.0	40.5 - 49.5	45.7	41.1 - 50.3
	RDW-CV (%)	16.5	14.9 - 18.2	15.4	13.9 - 16.9	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)	2.86	2.43 - 3.29	6.52	5.93 - 7.10	16.21	14.91 - 17.51
	NEUT%	46.3	37.1 - 55.6	48.7	41.4 - 56.0	52.8	44.9 - 60.7
	LYMPH%	33.2	19.9 - 46.5	29.4	23.5 - 35.3	25.4	20.3 - 30.4
	MONO%	10.8	2.2 - 19.5	11.1	6.7 - 15.5	10.5	7.4 - 13.7
	EO%	9.6	6.7 - 12.5	10.8	7.5 - 14.0	11.3	8.5 - 14.1
	BASO%	66.1	46.3 - 85.9	68.6	48.0 - 89.2	73.9	55.4 - 92.3
	NEUT# (10 ⁹ /L)	1.33	1.06 - 1.59	3.17	2.70 - 3.65	8.56	7.28 - 9.85
	LYMPH# (10 ⁹ /L)	0.95	0.57 - 1.33	1.92	1.53 - 2.30	4.11	3.29 - 4.93
	MONO# (10 ⁹ /L)	0.31	0.06 - 0.56	0.72	0.29 - 1.16	1.71	1.02 - 2.39
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.70	0.49 - 0.91	1.83	1.37 - 2.29
BASO# (10 ⁹ /L)	1.89	1.32 - 2.46	4.47	3.13 - 5.82	11.97	8.98 - 14.96	