



**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:		01740801		01740802		01740803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
O P E N	RBC (10 ¹² /L)	2.33	2.24 - 2.42	4.35	4.22 - 4.48	5.26	5.10 - 5.42
	HGB (g/dL)	5.8	5.6 - 6.0	12.0	11.6 - 12.4	15.9	15.4 - 16.4
	HCT (%)	17.4	16.5 - 18.3	34.8	33.2 - 36.4	45.1	43.1 - 47.1
	MCV (fL)	74.9	68.2 - 81.7	80.0	74.2 - 86.2	85.8	79.5 - 92.4
	MCH (pg)	24.7	23.0 - 27.0	27.5	26.0 - 29.3	30.2	28.5 - 32.1
	MCHC (g/dL)	33.0	30.5 - 36.5	34.4	32.0 - 37.2	35.2	32.7 - 38.0
	PLT (10 ⁹ /L)	60	36 - 84	226	201 - 251	532	484 - 580
	RDW-SD (fL)	45.6	41.0 - 50.2	43.7	39.3 - 48.1	44.1	39.7 - 48.5
	RDW-CV (%)	16.6	14.9 - 18.3	15.0	13.5 - 16.5	14.4	13.0 - 15.8
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	3.03	2.73 - 3.33	6.98	6.56 - 7.40	17.11	16.08 - 18.14
	NEUT%	44.4	35.5 - 53.3	48.8	41.5 - 56.1	53.3	45.3 - 61.3
	LYMPH%	35.4	21.2 - 49.6	29.7	23.8 - 35.6	24.4	19.5 - 29.3
	MONO%	10.8	2.2 - 19.4	11.0	6.6 - 15.4	11.1	7.8 - 14.4
	EO%	9.4	6.6 - 12.2	10.5	7.4 - 13.7	11.2	8.4 - 14.0
	BASO%	63.9	44.7 - 83.1	70.4	49.3 - 91.5	76.0	57.0 - 95.0
	NEUT# (10 ⁹ /L)	1.35	1.08 - 1.62	3.41	2.90 - 3.92	9.12	7.75 - 10.49
LYMPH# (10 ⁹ /L)	1.07	0.64 - 1.50	2.07	1.66 - 2.48	4.17	3.34 - 5.00	
MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.77	0.31 - 1.23	1.91	1.15 - 2.67	
EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.73	0.51 - 0.95	1.91	1.43 - 2.39	
BASO# (10 ⁹ /L)	1.94	1.36 - 2.52	4.91	3.44 - 6.38	13.00	9.75 - 16.25	



**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:		01740801		01740802		01740803	
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)	2.33	2.19 - 2.47	4.35	4.13 - 4.57	5.26	5.00 - 5.52
	HGB (g/dL)	5.8	5.5 - 6.1	12.0	11.4 - 12.6	15.9	15.1 - 16.7
	HCT (%)	17.4	16.2 - 18.6	34.8	32.7 - 36.9	45.1	42.4 - 47.8
	MCV (fL)	74.9	65.5 - 85.0	80.0	71.6 - 89.3	85.8	76.8 - 95.7
	MCH (pg)	24.7	22.1 - 28.1	27.5	25.0 - 30.5	30.2	27.3 - 33.4
	MCHC (g/dL)	33.0	29.3 - 38.0	34.4	30.9 - 38.5	35.2	31.6 - 39.4
	PLT (10 ⁹ /L)	59	29 - 88	217	184 - 250	495	421 - 569
	RDW-SD (fL)	45.6	41.0 - 50.2	43.7	39.3 - 48.1	44.1	39.7 - 48.5
	RDW-CV (%)	16.6	14.9 - 18.3	15.0	13.5 - 16.5	14.4	13.0 - 15.8
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	2.94	2.50 - 3.38	6.63	6.03 - 7.23	16.77	15.43 - 18.11
	NEUT%	44.4	35.5 - 53.3	49.2	41.8 - 56.5	52.7	44.8 - 60.6
	LYMPH%	35.3	21.2 - 49.4	29.3	23.5 - 35.2	24.9	19.9 - 29.8
	MONO%	11.2	2.2 - 20.2	10.9	6.5 - 15.3	11.0	7.7 - 14.4
	EO%	9.1	6.3 - 11.8	10.6	7.4 - 13.7	11.4	8.5 - 14.2
	BASO%	64.7	45.3 - 84.1	68.9	48.2 - 89.5	74.4	55.8 - 93.0
NEUT# (10 ⁹ /L)	1.31	1.04 - 1.57	3.26	2.77 - 3.75	8.84	7.51 - 10.16	
LYMPH# (10 ⁹ /L)	1.04	0.62 - 1.45	1.95	1.56 - 2.33	4.17	3.34 - 5.00	
MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.72	0.29 - 1.16	1.85	1.11 - 2.59	
EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.70	0.49 - 0.91	1.91	1.43 - 2.39	
BASO# (10 ⁹ /L)	1.90	1.33 - 2.47	4.57	3.20 - 5.94	12.48	9.36 - 15.60	