



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

Expiration Date: 2010-05-24		Quality Control Data Due Date #1: 12-Apr-10			Quality Control Data Due Date #2: 24-May-10					
Lot Number:		00620801		00620802		00620803				
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)	2.29	2.20	- 2.38	4.31	4.18	- 4.44	5.21	5.05	- 5.37
	HGB (g/dL)	5.8	5.6	- 6.0	12.0	11.6	- 12.4	15.9	15.4	- 16.4
	HCT (%)	17.7	16.8	- 18.6	35.2	33.6	- 36.8	45.3	43.3	- 47.3
	MCV (fL)	77.1	70.6	- 84.5	81.6	75.7	- 88.0	87.0	80.6	- 93.7
	MCH (pg)	25.4	23.4	- 27.4	27.9	26.2	- 29.6	30.5	28.7	- 32.4
	MCHC (g/dL)	33.3	30.0	- 35.9	34.6	31.6	- 36.8	35.4	32.6	- 37.9
	PLT (10 ⁹ /L)	55	33	- 77	223	198	- 248	521	474	- 568
	RDW-SD (fL)	46.0	41.4	- 50.6	44.7	40.2	- 49.2	44.4	40.0	- 48.8
	RDW-CV (%)	16.6	14.9	- 18.3	15.4	13.9	- 16.9	14.5	13.1	- 16.0
	MPV (fL)	9.0	8.3	- 9.7	9.3	8.7	- 9.9	9.4	8.8	- 10.0
	WBC (10 ⁹ /L)	3.03	2.73	- 3.33	6.77	6.36	- 7.18	16.52	15.53	- 17.51
	NEUT%	44.8	35.8	- 53.8	49.3	41.9	- 56.7	53.4	45.4	- 61.4
	LYMPH%	33.3	20.0	- 46.6	27.8	22.2	- 33.4	22.9	18.3	- 27.5
	MONO%	12.2	2.4	- 22.0	11.8	7.1	- 16.5	11.6	8.1	- 15.1
	EO%	9.7	6.8	- 12.6	11.1	7.8	- 14.4	12.1	9.1	- 15.1
	BASO%	64.4	45.1	- 83.7	72.2	50.5	- 93.9	76.8	57.6	- 96.0
	NEUT# (10 ⁹ /L)	1.36	1.09	- 1.63	3.34	2.84	- 3.84	8.82	7.50	- 10.14
LYMPH# (10 ⁹ /L)	1.01	0.61	- 1.41	1.88	1.50	- 2.26	3.79	3.03	- 4.55	
MONO# (10 ⁹ /L)	0.37	0.07	- 0.67	0.80	0.32	- 1.28	1.92	1.15	- 2.69	
EO# (10 ⁹ /L)	0.30	0.21	- 0.39	0.75	0.53	- 0.98	1.99	1.49	- 2.49	
BASO# (10 ⁹ /L)	1.95	1.37	- 2.54	4.89	3.42	- 6.36	12.69	9.52	- 15.86	



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

Expiration Date: 2010-05-24		Quality Control Data Due Date #1: 12-Apr-10			Quality Control Data Due Date #2: 24-May-10					
Lot Number:		00620801		00620802		00620803				
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)	2.29	2.15	- 2.43	4.31	4.09	- 4.53	5.21	4.95	- 5.47
	HGB (g/dL)	5.8	5.5	- 6.1	12.0	11.4	- 12.6	15.9	15.1	- 16.7
	HCT (%)	17.7	16.5	- 18.9	35.2	33.1	- 37.3	45.3	42.6	- 48.0
	MCV (fL)	77.1	67.8	- 88.0	81.6	73.1	- 91.1	87.0	77.8	- 97.0
	MCH (pg)	25.4	22.5	- 28.6	27.9	25.2	- 30.8	30.5	27.6	- 33.7
	MCHC (g/dL)	33.3	28.8	- 37.3	34.6	30.6	- 38.1	35.4	31.5	- 39.2
	PLT (10 ⁹ /L)	54	27	- 81	214	182	- 246	485	412	- 557
	RDW-SD (fL)	46.0	41.4	- 50.6	44.7	40.2	- 49.2	44.4	40.0	- 48.8
	RDW-CV (%)	16.6	14.9	- 18.3	15.4	13.9	- 16.9	14.5	13.1	- 16.0
	MPV (fL)	9.0	8.3	- 9.7	9.3	8.7	- 9.9	9.4	8.8	- 10.0
	WBC (10 ⁹ /L)	2.94	2.50	- 3.38	6.43	5.85	- 7.01	16.19	14.89	- 17.48
	NEUT%	44.4	35.5	- 53.3	49.6	42.2	- 57.1	52.8	44.9	- 60.7
	LYMPH%	33.3	20.0	- 46.7	27.5	22.0	- 33.0	23.4	18.7	- 28.1
	MONO%	12.6	2.5	- 22.7	11.7	7.0	- 16.4	11.5	8.1	- 15.0
	EO%	9.7	6.8	- 12.6	11.2	7.8	- 14.6	12.3	9.2	- 15.4
	BASO%	65.0	45.5	- 84.5	70.7	49.5	- 91.9	75.2	56.4	- 94.1
	NEUT# (10 ⁹ /L)	1.30	1.04	- 1.57	3.19	2.71	- 3.67	8.55	7.27	- 9.83
	LYMPH# (10 ⁹ /L)	0.98	0.59	- 1.37	1.77	1.41	- 2.12	3.79	3.03	- 4.55
	MONO# (10 ⁹ /L)	0.37	0.07	- 0.67	0.75	0.30	- 1.20	1.86	1.12	- 2.61
	EO# (10 ⁹ /L)	0.29	0.20	- 0.37	0.72	0.50	- 0.94	1.99	1.49	- 2.49
BASO# (10 ⁹ /L)	1.91	1.34	- 2.48	4.55	3.18	- 5.91	12.18	9.14	- 15.23	