



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

<b>Expiration Date:</b> 2010-03-29		<b>Quality Control Data Due Date #1:</b> 15-Feb-10				<b>Quality Control Data Due Date #2:</b> 29-Mar-10				
<b>Lot Number:</b>		00050801		00050802		00050803				
<b>Control:</b>		L1:Level 1		L2:Level 2		L3:Level 3				
<b>PARAMETERS</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>	
O P E N	RBC (10 <sup>12</sup> /L)	2.28	2.19	- 2.37	4.34	4.21	- 4.47	5.21	5.05	- 5.37
	HGB (g/dL)	5.6	5.4	- 5.8	12.1	11.7	- 12.5	15.9	15.4	- 16.4
	HCT (%)	17.0	16.2	- 17.9	35.2	33.6	- 36.8	45.0	43.0	- 47.0
	MCV (fL)	74.6	68.1	- 81.6	81.0	75.2	- 87.4	86.4	80.1	- 93.1
	MCH (pg)	24.7	22.7	- 26.6	27.9	26.3	- 29.6	30.6	28.7	- 32.4
	MCHC (g/dL)	33.0	30.1	- 36.1	34.5	31.9	- 37.1	35.4	32.8	- 38.1
	PLT (10 <sup>9</sup> /L)	57	34	- 80	222	198	- 246	528	480	- 576
	RDW-SD (fL)	46.5	41.9	- 51.2	44.0	39.6	- 48.4	44.0	39.6	- 48.4
	RDW-CV (%)	17.0	15.3	- 18.7	15.1	13.6	- 16.6	14.3	12.9	- 15.7
	MPV (fL)	8.9	8.2	- 9.6	9.3	8.7	- 9.9	9.5	8.9	- 10.1
	WBC (10 <sup>9</sup> /L)	2.95	2.66	- 3.25	6.93	6.51	- 7.35	16.71	15.71	- 17.71
	NEUT%	45.1	36.1	- 54.1	49.2	41.8	- 56.6	52.4	44.5	- 60.3
	LYMPH%	31.5	18.9	- 44.1	28.6	22.9	- 34.3	24.3	19.4	- 29.2
	MONO%	13.5	2.7	- 24.3	11.8	7.1	- 16.5	11.7	8.2	- 15.2
	EO%	9.8	6.9	- 12.7	10.4	7.3	- 13.5	11.6	8.7	- 14.5
	BASO%	65.1	45.6	- 84.6	69.5	48.7	- 90.4	74.9	56.2	- 93.6
	NEUT# (10 <sup>9</sup> /L)	1.33	1.06	- 1.60	3.41	2.90	- 3.92	8.76	7.45	- 10.07
	LYMPH# (10 <sup>9</sup> /L)	0.93	0.56	- 1.30	1.98	1.58	- 2.38	4.06	3.25	- 4.87
MONO# (10 <sup>9</sup> /L)	0.40	0.08	- 0.72	0.82	0.33	- 1.31	1.96	1.18	- 2.74	
EO# (10 <sup>9</sup> /L)	0.29	0.20	- 0.38	0.72	0.50	- 0.94	1.93	1.45	- 2.41	
BASO# (10 <sup>9</sup> /L)	1.92	1.34	- 2.50	4.82	3.37	- 6.27	12.52	9.39	- 15.65	



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

Expiration Date: <b>2010-03-29</b>		Quality Control Data Due Date #1: <b>15-Feb-10</b>			Quality Control Data Due Date #2: <b>29-Mar-10</b>				
Lot Number:		<b>00050801</b>		<b>00050802</b>		<b>00050803</b>			
Control:		<b>L1:Level 1</b>		<b>L2:Level 2</b>		<b>L3:Level 3</b>			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
<b>C L O S E D M O D E</b>	RBC (10 <sup>12</sup> /L)	2.28	2.14 - 2.42	4.34	4.12 - 4.56	5.21	4.95 - 5.47		
	HGB (g/dL)	5.6	5.3 - 5.9	12.1	11.5 - 12.7	15.9	15.1 - 16.7		
	HCT (%)	17.0	15.8 - 18.2	35.2	33.1 - 37.3	45.0	42.3 - 47.7		
	MCV (fL)	74.6	65.4 - 84.9	81.0	72.6 - 90.5	86.4	77.3 - 96.4		
	MCH (pg)	24.7	21.8 - 27.7	27.9	25.2 - 30.8	30.6	27.6 - 33.7		
	MCHC (g/dL)	33.0	28.9 - 37.5	34.5	30.8 - 38.4	35.4	31.7 - 39.5		
	PLT (10 <sup>9</sup> /L)	56	28 - 84	213	181 - 245	491	417 - 565		
	RDW-SD (fL)	46.5	41.9 - 51.2	44.0	39.6 - 48.4	44.0	39.6 - 48.4		
	RDW-CV (%)	17.0	15.3 - 18.7	15.1	13.6 - 16.6	14.3	12.9 - 15.7		
	MPV (fL)	8.9	8.2 - 9.6	9.3	8.7 - 9.9	9.5	8.9 - 10.1		
	WBC (10 <sup>9</sup> /L)	2.86	2.43 - 3.29	6.58	5.99 - 7.18	16.38	15.07 - 17.69		
	NEUT%	44.9	35.9 - 53.8	49.5	42.1 - 57.0	51.8	44.0 - 59.6		
	LYMPH%	31.5	18.9 - 44.1	28.3	22.6 - 33.9	24.8	19.8 - 29.8		
	MONO%	14.0	2.8 - 25.2	11.7	7.0 - 16.4	11.6	8.1 - 15.1		
	EO%	9.6	6.7 - 12.5	10.5	7.3 - 13.6	11.8	8.8 - 14.7		
	BASO%	65.8	46.0 - 85.5	68.1	47.7 - 88.5	73.4	55.0 - 91.7		
	NEUT# (10 <sup>9</sup> /L)	1.28	1.03 - 1.54	3.26	2.77 - 3.75	8.48	7.21 - 9.76		
	LYMPH# (10 <sup>9</sup> /L)	0.90	0.54 - 1.26	1.86	1.49 - 2.23	4.06	3.25 - 4.87		
	MONO# (10 <sup>9</sup> /L)	0.40	0.08 - 0.72	0.77	0.31 - 1.23	1.90	1.14 - 2.66		
	EO# (10 <sup>9</sup> /L)	0.28	0.19 - 0.36	0.69	0.48 - 0.90	1.93	1.45 - 2.41		
BASO# (10 <sup>9</sup> /L)	1.88	1.32 - 2.45	4.48	3.14 - 5.83	12.02	9.01 - 15.02			