



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

<b>Expiration Date:</b> 2010-07-19		<b>Quality Control Data Due Date #1:</b> 7-Jun-10				<b>Quality Control Data Due Date #2:</b> 19-Jul-10				
<b>Lot Number:</b>		01180801		01180802		01180803				
<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	4.33	4.20	- 4.46	5.26	5.10	- 5.42
	HGB (g/dL)	5.7	5.5	- 5.9	12.2	11.8	- 12.6	16.1	15.6	- 16.6
	HCT (%)	17.5	16.6	- 18.4	35.7	34.1	- 37.3	46.3	44.2	- 48.4
	MCV (fL)	76.4	70.1	- 84.0	82.4	76.4	- 88.8	88.0	81.6	- 94.8
	MCH (pg)	24.9	23.1	- 27.1	28.1	26.5	- 29.9	30.6	28.8	- 32.5
	MCHC (g/dL)	32.6	29.8	- 35.7	34.1	31.7	- 36.9	34.8	32.3	- 37.5
	PLT (10 <sup>9</sup> /L)	55	33	- 77	219	195	- 243	526	479	- 573
	RDW-SD (fL)	44.4	40.0	- 48.8	43.7	39.3	- 48.1	46.2	41.6	- 50.8
	RDW-CV (%)	16.1	14.5	- 17.7	14.7	13.2	- 16.2	14.6	13.1	- 16.1
	MPV (fL)	8.8	8.1	- 9.5	9.2	8.6	- 9.8	9.4	8.8	- 10.0
	WBC (10 <sup>9</sup> /L)	2.96	2.66	- 3.26	6.95	6.53	- 7.37	16.81	15.80	- 17.82
	NEUT%	44.7	35.8	- 53.6	48.5	41.2	- 55.8	53.4	45.4	- 61.4
	LYMPH%	33.1	19.9	- 46.3	29.4	23.5	- 35.3	24.2	19.4	- 29.0
	MONO%	12.5	2.5	- 22.5	11.5	6.9	- 16.1	11.5	8.1	- 15.0
	EO%	9.7	6.8	- 12.6	10.6	7.4	- 13.8	10.9	8.2	- 13.6
	BASO%	64.6	45.2	- 84.0	69.3	48.5	- 90.1	75.2	56.4	- 94.0
	NEUT# (10 <sup>9</sup> /L)	1.32	1.06	- 1.58	3.37	2.86	- 3.88	8.98	7.63	- 10.33
	LYMPH# (10 <sup>9</sup> /L)	0.98	0.59	- 1.37	2.04	1.63	- 2.45	4.07	3.26	- 4.88
MONO# (10 <sup>9</sup> /L)	0.37	0.07	- 0.67	0.80	0.32	- 1.28	1.92	1.15	- 2.69	
EO# (10 <sup>9</sup> /L)	0.29	0.20	- 0.38	0.74	0.52	- 0.96	1.83	1.37	- 2.29	
BASO# (10 <sup>9</sup> /L)	1.91	1.34	- 2.48	4.81	3.37	- 6.25	12.64	9.48	- 15.80	



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

Expiration Date: <b>2010-07-19</b>		Quality Control Data Due Date #1: <b>7-Jun-10</b>			Quality Control Data Due Date #2: <b>19-Jul-10</b>					
Lot Number:		<b>01180801</b>		<b>01180802</b>		<b>01180803</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	4.33	4.11	- 4.55	5.26	5.00	- 5.52
	HGB (g/dL)	5.7	5.4	- 6.0	12.2	11.6	- 12.8	16.1	15.3	- 16.9
	HCT (%)	17.5	16.3	- 18.7	35.7	33.6	- 37.8	46.3	43.5	- 49.1
	MCV (fL)	76.4	67.3	- 87.4	82.4	73.8	- 92.0	88.0	78.8	- 98.2
	MCH (pg)	24.9	22.2	- 28.2	28.1	25.5	- 31.1	30.6	27.7	- 33.8
	MCHC (g/dL)	32.6	28.6	- 37.1	34.1	30.6	- 38.2	34.8	31.2	- 38.8
	PLT (10 <sup>9</sup> /L)	54	27	- 81	210	179	- 242	489	416	- 563
	RDW-SD (fL)	44.4	40.0	- 48.8	43.7	39.3	- 48.1	46.2	41.6	- 50.8
	RDW-CV (%)	16.1	14.5	- 17.7	14.7	13.2	- 16.2	14.6	13.1	- 16.1
	MPV (fL)	8.8	8.1	- 9.5	9.2	8.6	- 9.8	9.4	8.8	- 10.0
	WBC (10 <sup>9</sup> /L)	2.87	2.44	- 3.30	6.60	6.01	- 7.20	16.47	15.16	- 17.79
	NEUT%	44.4	35.5	- 53.3	48.8	41.5	- 56.1	52.9	44.9	- 60.8
	LYMPH%	33.1	19.9	- 46.4	29.0	23.2	- 34.9	24.7	19.8	- 29.6
	MONO%	12.9	2.6	- 23.2	11.4	6.8	- 15.9	11.3	7.9	- 14.7
	EO%	9.6	6.7	- 12.5	10.8	7.5	- 14.0	11.1	8.3	- 13.9
	BASO%	65.2	45.6	- 84.7	67.8	47.4	- 88.1	73.7	55.2	- 92.1
	NEUT# (10 <sup>9</sup> /L)	1.28	1.02	- 1.53	3.22	2.74	- 3.71	8.71	7.40	- 10.02
	LYMPH# (10 <sup>9</sup> /L)	0.95	0.57	- 1.33	1.92	1.53	- 2.30	4.07	3.26	- 4.88
	MONO# (10 <sup>9</sup> /L)	0.37	0.07	- 0.67	0.75	0.30	- 1.20	1.86	1.12	- 2.61
	EO# (10 <sup>9</sup> /L)	0.28	0.19	- 0.36	0.71	0.50	- 0.92	1.83	1.37	- 2.29
BASO# (10 <sup>9</sup> /L)	1.87	1.31	- 2.43	4.47	3.13	- 5.82	12.13	9.10	- 15.17	