



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

<b>Expiration Date:</b> 2011-10-10		<b>Quality Control</b> Data Due Date #1: 29-Aug-11				<b>Quality Control</b> Data Due Date #2: 10-Oct-11				
<b>Lot Number:</b>		12030801		12030802		12030803				
<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>	
<b>O P E N</b>	RBC (10 <sup>12</sup> /L)	2.27	2.18	- 2.36	4.29	4.16	- 4.42	5.22	5.06	- 5.38
	HGB (g/dL)	5.7	5.5	- 5.9	12.3	11.9	- 12.7	16.2	15.7	- 16.7
	HCT (%)	17.4	16.5	- 18.3	35.9	34.3	- 37.5	46.1	44.0	- 48.2
	MCV (fL)	76.8	70.0	- 83.8	83.7	77.6	- 90.2	88.3	81.9	- 95.1
	MCH (pg)	25.3	23.2	- 27.2	28.7	27.0	- 30.4	31.0	29.2	- 33.0
	MCHC (g/dL)	32.9	30.0	- 35.9	34.3	31.8	- 37.0	35.1	32.6	- 37.9
	PLT (10 <sup>9</sup> /L)	57	34	- 80	223	198	- 248	532	484	- 580
	RDW-SD (fL)	44.6	40.1	- 49.1	42.5	38.3	- 46.8	44.5	40.1	- 49.0
	RDW-CV (%)	15.9	14.3	- 17.5	14.0	12.6	- 15.4	13.9	12.5	- 15.3
	MPV (fL)	8.8	8.1	- 9.5	9.7	9.1	- 10.3	9.9	9.3	- 10.5
	WBC (10 <sup>9</sup> /L)	3.01	2.71	- 3.31	7.18	6.75	- 7.61	16.86	15.85	- 17.87
	NEUT%	43.6	34.9	- 52.3	47.9	40.7	- 55.1	51.9	44.1	- 59.7
	LYMPH%	35.3	21.2	- 49.4	29.9	23.9	- 35.9	25.1	20.1	- 30.1
	MONO%	11.9	2.4	- 21.4	12.0	7.2	- 16.8	12.0	8.4	- 15.6
	EO%	9.3	6.5	- 12.1	10.3	7.2	- 13.4	11.0	8.3	- 13.8
	BASO%	62.6	43.8	- 81.4	69.0	48.3	- 89.7	74.2	55.7	- 92.8
NEUT# (10 <sup>9</sup> /L)	1.31	1.05	- 1.57	3.44	2.92	- 3.96	8.75	7.44	- 10.06	
LYMPH# (10 <sup>9</sup> /L)	1.06	0.64	- 1.48	2.15	1.72	- 2.58	4.23	3.38	- 5.08	
MONO# (10 <sup>9</sup> /L)	0.36	0.07	- 0.65	0.86	0.34	- 1.38	2.03	1.22	- 2.84	
EO# (10 <sup>9</sup> /L)	0.28	0.20	- 0.36	0.74	0.52	- 0.96	1.86	1.40	- 2.33	
BASO# (10 <sup>9</sup> /L)	1.88	1.32	- 2.44	4.96	3.47	- 6.45	12.51	9.38	- 15.64	



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

Expiration Date: <b>2011-10-10</b>		Quality Control Data Due Date #1: <b>29-Aug-11</b>			Quality Control Data Due Date #2: <b>10-Oct-11</b>				
Lot Number:		<b>12030801</b>		<b>12030802</b>		<b>12030803</b>			
Control:		<b>L1:Level 1</b>		<b>L2:Level 2</b>		<b>L3:Level 3</b>			
<b>PARAMETERS</b>	<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>	
<b>C L O S E D</b>	RBC (10 <sup>12</sup> /L)	2.27	2.13 - 2.41	4.29	4.08 - 4.50	5.22	4.96 - 5.48		
	HGB (g/dL)	5.7	5.4 - 6.0	12.3	11.7 - 12.9	16.2	15.4 - 17.0		
	HCT (%)	17.4	16.2 - 18.6	35.9	33.7 - 38.1	46.1	43.3 - 48.9		
	MCV (fL)	76.8	67.3 - 87.3	83.7	74.9 - 93.4	88.3	79.1 - 98.5		
	MCH (pg)	25.3	22.3 - 28.3	28.7	25.9 - 31.7	31.0	28.1 - 34.3		
	MCHC (g/dL)	32.9	28.8 - 37.3	34.3	30.7 - 38.3	35.1	31.5 - 39.3		
	PLT (10 <sup>9</sup> /L)	56	28 - 84	214	182 - 246	495	421 - 569		
	RDW-SD (fL)	44.6	40.1 - 49.1	42.5	38.3 - 46.8	44.5	40.1 - 49.0		
	RDW-CV (%)	15.9	14.3 - 17.5	14.0	12.6 - 15.4	13.9	12.5 - 15.3		
	MPV (fL)	8.8	8.1 - 9.5	9.7	9.1 - 10.3	9.9	9.3 - 10.5		
	WBC (10 <sup>9</sup> /L)	2.92	2.48 - 3.36	6.82	6.21 - 7.43	16.52	15.20 - 17.84		
	NEUT%	43.1	34.5 - 51.8	48.1	40.9 - 55.3	51.2	43.5 - 58.9		
	LYMPH%	35.3	21.2 - 49.4	29.6	23.7 - 35.5	25.6	20.5 - 30.7		
	MONO%	12.3	2.5 - 22.2	11.9	7.1 - 16.6	11.9	8.3 - 15.5		
	EO%	9.2	6.5 - 12.0	10.4	7.3 - 13.5	11.3	8.4 - 14.1		
	BASO%	63.0	44.1 - 81.9	67.6	47.3 - 87.9	72.7	54.5 - 90.9		
	NEUT# (10 <sup>9</sup> /L)	1.26	1.01 - 1.51	3.28	2.79 - 3.77	8.46	7.19 - 9.73		
	LYMPH# (10 <sup>9</sup> /L)	1.03	0.62 - 1.44	2.02	1.62 - 2.42	4.23	3.38 - 5.08		
	MONO# (10 <sup>9</sup> /L)	0.36	0.07 - 0.65	0.81	0.32 - 1.30	1.97	1.18 - 2.76		
	EO# (10 <sup>9</sup> /L)	0.27	0.19 - 0.35	0.71	0.50 - 0.92	1.86	1.40 - 2.33		
BASO# (10 <sup>9</sup> /L)	1.84	1.29 - 2.39	4.61	3.23 - 5.99	12.01	9.01 - 15.01			