



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS  
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)	54	32 - 76	211	188 - 234	503	458 - 548		
	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		
	NRBC# (10 <sup>9</sup> /L)	2.82	2.54 - 3.10	6.66	6.26 - 7.06	16.91	15.90 - 17.92		
	NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A		
	PLT-O (10 <sup>9</sup> /L)	61	34 - 88	215	183 - 247	505	429 - 581		
	RET# (10 <sup>12</sup> /L)	0.1564	0.1095 - 0.2033	0.1250	0.0875 - 0.1625	0.0636	0.0445 - 0.0827		
	RET%	6.87	4.81 - 8.93	2.88	2.02 - 3.74	1.22	0.85 - 1.59		
	IRF (%)	30.7	10.7 - 50.7	26.8	6.8 - 46.8	23.2	3.2 - 43.2		
	<sup>a</sup> IG #	0.32	0.29 - 0.35	0.79	0.59 - 0.99	2.05	1.44 - 2.67		
	<sup>a</sup> IG %	10.77	7.54 - 14.00	11.44	8.58 - 14.30	12.28	7.37 - 17.19		
	<sup>b</sup> HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.091	0.082 - 0.100		
<sup>c</sup> RET-HE (pg)	24.2	16.9 - 31.5	24.9	18.7 - 31.1	25.8	15.5 - 36.1			
<sup>d</sup> IPF (%)	21.9	18.6 - 25.2	21.8	18.5 - 25.1	21.8	18.5 - 25.1			

<sup>a</sup> IG values are only available with the Sysmex XE-Series IG Master software.  
<sup>b</sup> HPC values are only available with the Sysmex XE-Series HPC Master software.  
<sup>c</sup> RET-HE values are only available with the Sysmex XE-Series RET Master software.  
<sup>d</sup> IPF values are only available with the Sysmex XE-Series IPF Master software.



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS  
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>
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Lot Number:	<b>00050801</b>	<b>00050802</b>	<b>00050803</b>
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Control:	<b>L1:Level 1</b>	<b>L2:Level 2</b>	<b>L3:Level 3</b>
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PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
<b>C L O S E D</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)	53	26 - 79	203	172 - 233	468	398 - 538
	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
	NRBC# (10 <sup>9</sup> /L)	2.79	2.51 - 3.07	6.53	6.14 - 6.92	16.74	15.74 - 17.75
	NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A
	PLT-O (10 <sup>9</sup> /L)	58	29 - 87	211	179 - 242	495	421 - 569
	RET# (10 <sup>12</sup> /L)	0.1564	0.1095 - 0.2033	0.1250	0.0875 - 0.1625	0.0636	0.0445 - 0.0827
	RET%	6.87	4.81 - 8.93	2.88	2.02 - 3.74	1.22	0.85 - 1.59
	IRF (%)	30.7	10.7 - 50.7	26.8	6.8 - 46.8	23.2	3.2 - 43.2
	<sup>a</sup> IG #	0.32	0.29 - 0.35	0.79	0.59 - 0.99	2.05	1.44 - 2.67
	<sup>a</sup> IG %	10.77	7.54 - 14.00	11.44	8.58 - 14.30	12.28	7.37 - 17.19
	<sup>b</sup> HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.091	0.082 - 0.100
<sup>c</sup> RET-HE (pg)	24.2	16.9 - 31.5	24.9	18.7 - 31.1	25.8	15.5 - 36.1	
<sup>d</sup> IPF (%)	21.9	18.6 - 25.2	21.8	18.5 - 25.1	21.8	18.5 - 25.1	

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