



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS  
OPEN MODE ASSAY**

Expiration Date: <b>2011-12-05</b>		Quality Control Data Due Date #1: <b>24-Oct-11</b>			Quality Control Data Due Date #2: <b>5-Dec-11</b>		
Lot Number:		12590801		12590802		12590803	
Control:		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)	2.17	2.08 - 2.26	4.20	4.07 - 4.33	5.13	4.98 - 5.28
	HGB (g/dL)	5.5	5.3 - 5.7	12.1	11.7 - 12.5	16.1	15.6 - 16.6
	HCT (%)	16.8	16.0 - 17.6	35.4	33.8 - 37.0	46.0	43.9 - 48.1
	MCV (fL)	77.3	70.7 - 84.7	84.4	78.1 - 90.8	89.7	83.1 - 96.6
	MCH (pg)	25.3	23.4 - 27.5	28.9	27.1 - 30.6	31.4	29.6 - 33.3
	MCHC (g/dL)	32.8	29.9 - 35.8	34.3	31.7 - 36.9	35.1	32.5 - 37.7
	PLT (10 <sup>9</sup> /L)	56	34 - 78	217	193 - 241	515	469 - 561
	RDW-SD (fL)	44.5	40.1 - 49.0	45.6	41.0 - 50.2	43.7	39.3 - 48.1
	RDW-CV (%)	15.7	14.1 - 17.3	14.9	13.4 - 16.4	13.5	12.2 - 14.9
	MPV (fL)	8.9	8.2 - 9.6	9.2	8.6 - 9.8	9.5	8.9 - 10.1
	WBC (10 <sup>9</sup> /L)	3.00	2.70 - 3.30	7.21	6.78 - 7.64	16.67	15.67 - 17.67
	NEUT%	44.4	35.5 - 53.3	48.7	41.4 - 56.0	53.0	45.1 - 61.0
	LYMPH%	36.1	21.7 - 50.5	30.4	24.3 - 36.5	24.8	19.8 - 29.8
	MONO%	9.8	2.0 - 17.6	10.5	6.3 - 14.7	10.9	7.6 - 14.2
	EO%	9.6	6.7 - 12.5	10.4	7.3 - 13.5	11.3	8.5 - 14.1
	BASO%	63.3	44.3 - 82.3	69.1	48.4 - 89.8	75.0	56.3 - 93.8
	NEUT# (10 <sup>9</sup> /L)	1.33	1.06 - 1.60	3.51	2.98 - 4.04	8.84	7.51 - 10.17
	LYMPH# (10 <sup>9</sup> /L)	1.08	0.65 - 1.51	2.19	1.75 - 2.63	4.13	3.30 - 4.96
	MONO# (10 <sup>9</sup> /L)	0.30	0.06 - 0.54	0.76	0.30 - 1.22	1.82	1.09 - 2.55
	EO# (10 <sup>9</sup> /L)	0.29	0.20 - 0.38	0.75	0.53 - 0.98	1.89	1.42 - 2.36
	BASO# (10 <sup>9</sup> /L)	1.90	1.33 - 2.47	4.98	3.49 - 6.47	12.51	9.38 - 15.64
	NRBC# (10 <sup>9</sup> /L)	2.97	2.67 - 3.27	7.14	6.71 - 7.57	17.69	16.63 - 18.75
	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)	62	34 - 90	217	184 - 250	512	435 - 589
	RET# (10 <sup>12</sup> /L)	0.1133	0.0793 - 0.1473	0.0925	0.0648 - 0.1203	0.0568	0.0398 - 0.0738
	RET%	5.22	3.65 - 6.79	2.21	1.55 - 2.87	1.11	0.78 - 1.44
	IRF (%)	29.5	9.5 - 49.5	25.4	5.4 - 45.4	22.2	2.2 - 42.2
	<sup>a</sup> IG #	0.31	0.28 - 0.34	0.83	0.62 - 1.04	2.04	1.43 - 2.65
<sup>a</sup> IG %	10.46	7.32 - 13.60	11.46	8.60 - 14.33	12.24	7.34 - 17.14	
<sup>b</sup> HPC #	0.014	0.012 - 0.016	0.037	0.033 - 0.041	0.107	0.096 - 0.118	
<sup>c</sup> RET-HE (pg)	24.3	17.0 - 31.6	24.8	18.6 - 31.0	25.7	15.4 - 36.0	
<sup>d</sup> IPF (%)	21.9	18.6 - 25.2	21.7	18.4 - 25.0	22.0	18.7 - 25.3	

<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>2011-12-05</b>		Quality Control Data Due Date #1: <b>24-Oct-11</b>			Quality Control Data Due Date #2: <b>5-Dec-11</b>		
Lot Number:		12590801		12590802		12590803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
<b>C L O S E D</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>
	RBC (10 <sup>12</sup> /L)	2.17	2.04 - 2.30	4.20	3.99 - 4.41	5.13	4.87 - 5.39
	HGB (g/dL)	5.5	5.2 - 5.8	12.1	11.5 - 12.7	16.1	15.3 - 16.9
	HCT (%)	16.8	15.6 - 18.0	35.4	33.3 - 37.5	46.0	43.2 - 48.8
	MCV (fL)	77.3	67.9 - 88.1	84.4	75.5 - 94.0	89.7	80.3 - 100.1
	MCH (pg)	25.3	22.5 - 28.6	28.9	26.1 - 31.8	31.4	28.4 - 34.7
	MCHC (g/dL)	32.8	28.8 - 37.3	34.3	30.6 - 38.2	35.1	31.4 - 39.1
	PLT (10 <sup>9</sup> /L)	55	28 - 83	208	177 - 240	479	407 - 551
	RDW-SD (fL)	44.5	40.1 - 49.0	45.6	41.0 - 50.2	43.7	39.3 - 48.1
	RDW-CV (%)	15.7	14.1 - 17.3	14.9	13.4 - 16.4	13.5	12.2 - 14.9
	MPV (fL)	8.9	8.2 - 9.6	9.2	8.6 - 9.8	9.5	8.9 - 10.1
	WBC (10 <sup>9</sup> /L)	2.91	2.47 - 3.35	6.85	6.23 - 7.47	16.34	15.03 - 17.65
	NEUT%	44.0	35.2 - 52.8	49.0	41.7 - 56.4	52.3	44.5 - 60.1
	LYMPH%	36.1	21.7 - 50.5	30.1	24.1 - 36.1	25.3	20.2 - 30.4
	MONO%	10.3	2.1 - 18.5	10.4	6.2 - 14.6	10.8	7.6 - 14.0
	EO%	9.6	6.7 - 12.5	10.5	7.4 - 13.7	11.6	8.7 - 14.5
	BASO%	63.9	44.7 - 83.1	67.6	47.3 - 87.9	73.5	55.1 - 91.9
	NEUT# (10 <sup>9</sup> /L)	1.28	1.02 - 1.54	3.36	2.86 - 3.86	8.55	7.27 - 9.83
	LYMPH# (10 <sup>9</sup> /L)	1.05	0.63 - 1.47	2.06	1.65 - 2.47	4.13	3.30 - 4.96
	MONO# (10 <sup>9</sup> /L)	0.30	0.06 - 0.54	0.71	0.28 - 1.14	1.77	1.06 - 2.48
	EO# (10 <sup>9</sup> /L)	0.28	0.20 - 0.36	0.72	0.50 - 0.94	1.89	1.42 - 2.36
	BASO# (10 <sup>9</sup> /L)	1.86	1.30 - 2.42	4.63	3.24 - 6.02	12.01	9.01 - 15.01
	NRBC# (10 <sup>9</sup> /L)	2.94	2.65 - 3.23	7.00	6.58 - 7.42	17.51	16.46 - 18.56
	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)	59	29 - 88	213	181 - 245	502	426 - 577
	RET# (10 <sup>12</sup> /L)	0.1133	0.0793 - 0.1473	0.0925	0.0648 - 0.1203	0.0568	0.0398 - 0.0738
	RET%	5.22	3.65 - 6.79	2.21	1.55 - 2.87	1.11	0.78 - 1.44
	IRF (%)	29.5	9.5 - 49.5	25.4	5.4 - 45.4	22.2	2.2 - 42.2
	<sup>a</sup> IG #	0.31	0.28 - 0.34	0.83	0.62 - 1.04	2.04	1.43 - 2.65
	<sup>a</sup> IG %	10.46	7.32 - 13.60	11.46	8.60 - 14.33	12.24	7.34 - 17.14
	<sup>b</sup> HPC #	0.014	0.012 - 0.016	0.037	0.033 - 0.041	0.107	0.096 - 0.118
	<sup>c</sup> RET-HE (pg)	24.3	17.0 - 31.6	24.8	18.6 - 31.0	25.7	15.4 - 36.0
	<sup>d</sup> IPF (%)	21.9	18.6 - 25.2	21.7	18.4 - 25.0	22.0	18.7 - 25.3

<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.  
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