



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

Expiration Date: <b>2010-05-24</b>		Quality Control Data Due Date #1: <b>12-Apr-10</b>			Quality Control Data Due Date #2: <b>24-May-10</b>				
Lot Number:		<b>00630801</b>		<b>00630802</b>		<b>00630803</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>	
O P E N	RBC (10 <sup>12</sup> /L)	2.32	2.23 - 2.41	4.36	4.23 - 4.49	5.30	5.14 - 5.46		
	HGB (g/dL)	5.8	5.6 - 6.0	12.3	11.9 - 12.7	16.0	15.5 - 16.5		
	HCT (%)	17.6	16.7 - 18.5	35.8	34.2 - 37.4	46.3	44.2 - 48.4		
	MCV (fL)	75.9	69.3 - 83.0	81.9	76.1 - 88.5	87.3	81.0 - 94.1		
	MCH (pg)	25.0	23.1 - 27.1	28.1	26.6 - 30.0	30.2	28.4 - 32.1		
	MCHC (g/dL)	33.2	30.1 - 36.1	34.6	31.9 - 37.1	35.0	32.1 - 37.3		
	PLT (10 <sup>9</sup> /L)	55	33 - 77	210	187 - 233	490	446 - 534		
	RDW-SD (fL)	43.9	39.5 - 48.3	43.6	39.2 - 48.0	45.9	41.3 - 50.5		
	RDW-CV (%)	16.1	14.5 - 17.7	14.9	13.4 - 16.4	14.9	13.4 - 16.4		
	MPV (fL)	8.9	8.2 - 9.6	9.3	8.7 - 9.9	9.4	8.8 - 10.0		
	WBC (10 <sup>9</sup> /L)	2.96	2.66 - 3.26	6.78	6.37 - 7.19	16.41	15.43 - 17.39		
	NEUT%	45.5	36.4 - 54.6	49.4	42.0 - 56.8	54.0	45.9 - 62.1		
	LYMPH%	33.4	20.0 - 46.8	28.2	22.6 - 33.8	24.0	19.2 - 28.8		
	MONO%	11.5	2.3 - 20.7	11.7	7.0 - 16.4	11.0	7.7 - 14.3		
	EO%	9.6	6.7 - 12.5	10.8	7.6 - 14.0	11.0	8.3 - 13.8		
	BASO%	64.6	45.2 - 84.0	71.9	50.3 - 93.5	75.1	56.3 - 93.9		
	NEUT# (10 <sup>9</sup> /L)	1.35	1.08 - 1.62	3.35	2.85 - 3.85	8.86	7.53 - 10.19		
	LYMPH# (10 <sup>9</sup> /L)	0.99	0.59 - 1.39	1.91	1.53 - 2.29	3.94	3.15 - 4.73		
	MONO# (10 <sup>9</sup> /L)	0.34	0.07 - 0.61	0.79	0.32 - 1.26	1.81	1.09 - 2.53		
	EO# (10 <sup>9</sup> /L)	0.28	0.20 - 0.36	0.73	0.51 - 0.95	1.81	1.36 - 2.26		
	BASO# (10 <sup>9</sup> /L)	1.91	1.34 - 2.48	4.87	3.41 - 6.33	12.32	9.24 - 15.40		
	NRBC# (10 <sup>9</sup> /L)	2.86	2.57 - 3.15	6.68	6.28 - 7.08	17.08	16.06 - 18.10		
	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	211	179 - 243	508	432 - 584		
	RET# (10 <sup>12</sup> /L)	0.1567	0.1097 - 0.2037	0.1113	0.0779 - 0.1447	0.0602	0.0421 - 0.0783		
	RET%	6.75	4.73 - 8.78	2.55	1.79 - 3.32	1.14	0.80 - 1.48		
	IRF (%)	28.6	8.6 - 48.6	24.3	4.3 - 44.3	19.8	0.0 - 39.8		
	<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 %	10.83	7.58 - 14.08	11.70	8.78 - 14.63	12.49	7.49 - 17.49		
	<sup>b</sup> HPC #	0.013	0.011 - 0.015	0.035	0.032 - 0.039	0.095	0.086 - 0.105		
<sup>c</sup> RET-HE (pg)	24.5	17.2 - 31.9	24.9	18.7 - 31.1	25.5	15.3 - 35.7			
<sup>d</sup> IPF (%)	21.9	18.6 - 25.2	21.9	18.6 - 25.2	21.5	18.3 - 24.7			

<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**

<b>Expiration Date:</b> 2010-05-24	<b>Quality Control Data Due Date #1:</b> 12-Apr-10	<b>Quality Control Data Due Date #2:</b> 24-May-10
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<b>Lot Number:</b>	00630801	00630802	00630803
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<b>Control:</b>	L1:Level 1	L2:Level 2	L3:Level 3
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PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
CLOSED	RBC (10 <sup>12</sup> /L)	2.32	2.18 - 2.46	4.36	4.14 - 4.58	5.30	5.04 - 5.57
	HGB (g/dL)	5.8	5.5 - 6.1	12.3	11.7 - 12.9	16.0	15.2 - 16.8
	HCT (%)	17.6	16.4 - 18.8	35.8	33.7 - 37.9	46.3	43.5 - 49.1
	MCV (fL)	75.9	66.6 - 86.4	81.9	73.5 - 91.6	87.3	78.2 - 97.5
	MCH (pg)	25.0	22.2 - 28.2	28.1	25.5 - 31.2	30.2	27.3 - 33.4
	MCHC (g/dL)	33.2	29.0 - 37.6	34.6	30.8 - 38.4	35.0	31.0 - 38.6
	PLT (10 <sup>9</sup> /L)	54	27 - 81	202	171 - 232	456	387 - 524
	RDW-SD (fL)	43.9	39.5 - 48.3	43.6	39.2 - 48.0	45.9	41.3 - 50.5
	RDW-CV (%)	16.1	14.5 - 17.7	14.9	13.4 - 16.4	14.9	13.4 - 16.4
	MPV (fL)	8.9	8.2 - 9.6	9.3	8.7 - 9.9	9.4	8.8 - 10.0
	WBC (10 <sup>9</sup> /L)	2.87	2.44 - 3.30	6.44	5.86 - 7.02	16.08	14.80 - 17.37
	NEUT%	45.4	36.3 - 54.5	49.7	42.3 - 57.2	53.3	45.3 - 61.3
	LYMPH%	33.4	20.1 - 46.8	27.9	22.3 - 33.4	24.5	19.6 - 29.4
	MONO%	11.8	2.4 - 21.3	11.5	6.9 - 16.1	10.9	7.6 - 14.2
	EO%	9.3	6.5 - 12.0	10.9	7.6 - 14.1	11.3	8.4 - 14.1
	BASO%	65.2	45.6 - 84.7	70.3	49.2 - 91.4	73.5	55.2 - 91.9
	NEUT# (10 <sup>9</sup> /L)	1.30	1.04 - 1.57	3.20	2.72 - 3.68	8.58	7.29 - 9.86
	LYMPH# (10 <sup>9</sup> /L)	0.96	0.58 - 1.34	1.80	1.44 - 2.15	3.94	3.15 - 4.73
	MONO# (10 <sup>9</sup> /L)	0.34	0.07 - 0.61	0.74	0.30 - 1.19	1.76	1.05 - 2.46
	EO# (10 <sup>9</sup> /L)	0.27	0.19 - 0.35	0.70	0.49 - 0.91	1.81	1.36 - 2.26
	BASO# (10 <sup>9</sup> /L)	1.87	1.31 - 2.43	4.53	3.17 - 5.89	11.83	8.87 - 14.78
	NRBC# (10 <sup>9</sup> /L)	2.83	2.55 - 3.11	6.55	6.15 - 6.94	16.91	15.89 - 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)	59	29 - 88	207	176 - 238	498	423 - 573
	RET# (10 <sup>12</sup> /L)	0.1567	0.1097 - 0.2037	0.1113	0.0779 - 0.1447	0.0602	0.0421 - 0.0783
	RET%	6.75	4.73 - 8.78	2.55	1.79 - 3.32	1.14	0.80 - 1.48
	IRF (%)	28.6	8.6 - 48.6	24.3	4.3 - 44.3	19.8	0.0 - 39.8
	<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 %	10.83	7.58 - 14.08	11.70	8.78 - 14.63	12.49	7.49 - 17.49
	<sup>b</sup> HPC #	0.013	0.011 - 0.015	0.035	0.032 - 0.039	0.095	0.086 - 0.105
	<sup>c</sup> RET-HE (pg)	24.5	17.2 - 31.9	24.9	18.7 - 31.1	25.5	15.3 - 35.7
	<sup>d</sup> IPF (%)	21.9	18.6 - 25.2	21.9	18.6 - 25.2	21.5	18.3 - 24.7

<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.  
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