



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS  
OPEN 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:		12020801		12020802		12020803	
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>	
O P E N	RBC (10 <sup>12</sup> /L)	2.22	2.13	- 2.31	4.32	4.19	- 4.45
	HGB (g/dL)	5.8	5.6	- 6.0	12.6	12.2	- 13.0
	HCT (%)	17.4	16.5	- 18.3	36.6	35.0	- 38.2
	MCV (fL)	78.3	71.6	- 85.7	84.7	78.6	- 91.3
	MCH (pg)	26.0	24.1	- 28.3	29.2	27.5	- 31.0
	MCHC (g/dL)	33.2	30.5	- 36.5	34.4	32.0	- 37.1
	PLT (10 <sup>9</sup> /L)	56	34	- 78	215	191	- 239
	RDW-SD (fL)	45.9	41.3	- 50.5	42.2	38.0	- 46.4
	RDW-CV (%)	16.0	14.4	- 17.6	13.8	12.4	- 15.2
	MPV (fL)	8.7	8.0	- 9.4	9.1	8.6	- 9.6
	WBC (10 <sup>9</sup> /L)	3.05	2.75	- 3.36	7.26	6.82	- 7.70
	NEUT%	43.1	34.5	- 51.7	48.1	40.9	- 55.3
	LYMPH%	35.9	21.5	- 50.3	29.9	23.9	- 35.9
	MONO%	11.8	2.4	- 21.2	11.9	7.1	- 16.7
	EO%	9.3	6.5	- 12.1	10.1	7.1	- 13.1
	BASO%	62.4	43.7	- 81.1	69.5	48.7	- 90.4
	NEUT# (10 <sup>9</sup> /L)	1.32	1.06	- 1.58	3.50	2.98	- 4.03
	LYMPH# (10 <sup>9</sup> /L)	1.09	0.65	- 1.53	2.17	1.74	- 2.60
	MONO# (10 <sup>9</sup> /L)	0.36	0.07	- 0.65	0.86	0.34	- 1.38
	EO# (10 <sup>9</sup> /L)	0.28	0.20	- 0.36	0.74	0.52	- 0.96
	BASO# (10 <sup>9</sup> /L)	1.90	1.33	- 2.47	5.05	3.54	- 6.57
	NRBC# (10 <sup>9</sup> /L)	2.96	2.66	- 3.26	7.10	6.67	- 7.53
	NRBC% (/100 WBC)	100.0	N/A	- N/A	100.0	N/A	- N/A
	PLT-O (10 <sup>9</sup> /L)	60	33	- 87	219	186	- 252
	RET# (10 <sup>12</sup> /L)	0.1316	0.0921	- 0.1711	0.1015	0.0711	- 0.1320
	RET%	5.93	4.15	- 7.71	2.35	1.65	- 3.06
	IRF (%)	23.0	3.0	- 43.0	20.6	0.6	- 40.6
	<sup>a</sup> IG #	0.31	0.28	- 0.34	0.83	0.62	- 1.04
<sup>a</sup> IG %	10.27	7.19	- 13.35	11.38	8.54	- 14.23	
<sup>b</sup> HPC #	0.014	0.012	- 0.016	0.035	0.032	- 0.039	
<sup>c</sup> RET-HE (pg)	24.3	17.0	- 31.6	24.9	18.7	- 31.1	
<sup>d</sup> IPF (%)	21.7	18.4	- 25.0	21.7	18.4	- 25.0	

<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>2011-10-10</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:		12020801		12020802		12020803	
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)	2.22	2.09 - 2.35	4.32	4.10 - 4.54	5.12	4.86 - 5.38
	HGB (g/dL)	5.8	5.5 - 6.1	12.6	12.0 - 13.2	16.1	15.3 - 16.9
	HCT (%)	17.4	16.2 - 18.6	36.6	34.4 - 38.8	46.1	43.3 - 48.9
	MCV (fL)	78.3	68.8 - 89.2	84.7	75.8 - 94.5	90.1	80.6 - 100.5
	MCH (pg)	26.0	23.2 - 29.5	29.2	26.4 - 32.2	31.5	28.5 - 34.8
	MCHC (g/dL)	33.2	29.3 - 38.0	34.4	30.9 - 38.5	35.0	31.3 - 39.0
	PLT (10 <sup>9</sup> /L)	55	27 - 82	206	175 - 237	475	404 - 547
	RDW-SD (fL)	45.9	41.3 - 50.5	42.2	38.0 - 46.4	43.8	39.4 - 48.2
	RDW-CV (%)	16.0	14.4 - 17.6	13.8	12.4 - 15.2	13.4	12.1 - 14.7
	MPV (fL)	8.7	8.0 - 9.4	9.1	8.6 - 9.6	9.3	8.7 - 9.9
	WBC (10 <sup>9</sup> /L)	2.96	2.51 - 3.40	6.90	6.28 - 7.52	16.38	15.07 - 17.69
	NEUT%	43.1	34.5 - 51.7	48.4	41.1 - 55.7	53.4	45.4 - 61.4
	LYMPH%	35.7	21.4 - 50.0	29.6	23.7 - 35.5	24.9	19.9 - 29.9
	MONO%	12.2	2.4 - 21.9	11.7	7.0 - 16.4	10.5	7.4 - 13.7
	EO%	9.0	6.3 - 11.7	10.3	7.2 - 13.4	11.2	8.4 - 14.0
	BASO%	62.9	44.1 - 81.8	68.1	47.7 - 88.5	73.3	55.0 - 91.7
	NEUT# (10 <sup>9</sup> /L)	1.28	1.02 - 1.53	3.34	2.84 - 3.84	8.74	7.43 - 10.05
	LYMPH# (10 <sup>9</sup> /L)	1.06	0.63 - 1.48	2.04	1.63 - 2.45	4.08	3.26 - 4.90
	MONO# (10 <sup>9</sup> /L)	0.36	0.07 - 0.65	0.81	0.32 - 1.29	1.73	1.04 - 2.42
	EO# (10 <sup>9</sup> /L)	0.27	0.19 - 0.35	0.71	0.50 - 0.92	1.83	1.37 - 2.29
	BASO# (10 <sup>9</sup> /L)	1.86	1.30 - 2.42	4.70	3.29 - 6.11	12.01	9.01 - 15.01
	NRBC# (10 <sup>9</sup> /L)	2.93	2.64 - 3.22	6.96	6.54 - 7.38	17.24	16.20 - 18.27
	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)	57	29 - 86	215	182 - 247	499	424 - 574
	RET# (10 <sup>12</sup> /L)	0.1316	0.0921 - 0.1711	0.1015	0.0711 - 0.1320	0.0497	0.0348 - 0.0646
	RET%	5.93	4.15 - 7.71	2.35	1.65 - 3.06	0.97	0.68 - 1.26
	IRF (%)	23.0	3.0 - 43.0	20.6	0.6 - 40.6	16.4	0.0 - 36.4
	<sup>a</sup> IG #	0.31	0.28 - 0.34	0.83	0.62 - 1.04	2.14	1.50 - 2.78
	<sup>a</sup> IG %	10.27	7.19 - 13.35	11.38	8.54 - 14.23	12.80	7.68 - 17.92
	<sup>b</sup> HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.095	0.086 - 0.105
	<sup>c</sup> RET-HE (pg)	24.3	17.0 - 31.6	24.9	18.7 - 31.1	25.5	15.3 - 35.7
	<sup>d</sup> IPF (%)	21.7	18.4 - 25.0	21.7	18.4 - 25.0	22.1	18.8 - 25.4

<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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