



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

Expiration Date: <b>2009-01-05</b>		Quality Control Data Due Date #1: <b>24-Nov-08</b>			Quality Control Data Due Date #2: <b>5-Jan-09</b>				
Lot Number:		<b>82900801</b>		<b>82900802</b>		<b>82900803</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)	2.30	2.21 - 2.39	4.31	4.18 - 4.44	5.21	5.05 - 5.37		
	HGB (g/dL)	5.9	5.7 - 6.1	12.3	11.9 - 12.7	16.4	15.9 - 16.9		
	HCT (%)	17.9	17.0 - 18.8	36.0	34.4 - 37.6	46.4	44.3 - 48.5		
	MCV (fL)	78.0	71.1 - 85.1	83.7	77.4 - 90.0	89.0	82.6 - 95.9		
	MCH (pg)	25.8	23.7 - 27.8	28.6	26.9 - 30.3	31.6	29.6 - 33.4		
	MCHC (g/dL)	33.1	30.1 - 36.1	34.2	31.7 - 36.8	35.4	32.8 - 38.1		
	PLT (10 <sup>9</sup> /L)	55	33 - 77	217	193 - 241	505	460 - 550		
	RDW-SD (fL)	43.5	39.2 - 47.9	43.7	39.3 - 48.1	45.3	40.8 - 49.8		
	RDW-CV (%)	15.2	13.7 - 16.7	14.4	13.0 - 15.8	14.1	12.7 - 15.5		
	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)	3.03	2.73 - 3.33	7.00	6.58 - 7.42	15.88	14.93 - 16.83		
	NEUT%	44.8	35.8 - 53.8	49.5	42.1 - 56.9	52.3	44.5 - 60.1		
	LYMPH%	35.3	21.2 - 49.4	29.0	23.2 - 34.8	24.3	19.4 - 29.2		
	MONO%	10.0	2.0 - 18.0	11.3	6.8 - 15.8	12.1	8.5 - 15.7		
	EO%	9.8	6.9 - 12.7	10.3	7.2 - 13.4	11.4	8.6 - 14.3		
	BASO%	64.7	45.3 - 84.1	71.2	49.8 - 92.6	75.7	56.8 - 94.6		
	NEUT# (10 <sup>9</sup> /L)	1.36	1.09 - 1.63	3.47	2.95 - 3.99	8.30	7.06 - 9.55		
	LYMPH# (10 <sup>9</sup> /L)	1.07	0.64 - 1.50	2.03	1.62 - 2.44	3.85	3.08 - 4.62		
	MONO# (10 <sup>9</sup> /L)	0.30	0.06 - 0.54	0.79	0.32 - 1.26	1.92	1.15 - 2.69		
	EO# (10 <sup>9</sup> /L)	0.30	0.21 - 0.39	0.72	0.50 - 0.94	1.80	1.35 - 2.25		
	BASO# (10 <sup>9</sup> /L)	1.96	1.37 - 2.55	4.98	3.49 - 6.47	12.02	9.02 - 15.03		
	NRBC# (10 <sup>9</sup> /L)	2.93	2.64 - 3.22	6.87	6.46 - 7.28	16.49	15.50 - 17.48		
	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)	60	33 - 87	223	190 - 256	528	449 - 607		
	RET# (10 <sup>12</sup> /L)	0.1510	0.1057 - 0.1963	0.1377	0.0964 - 0.1790	0.0516	0.0361 - 0.0671		
	RET%	6.56	4.59 - 8.53	3.20	2.24 - 4.16	0.99	0.69 - 1.29		
	IRF (%)	25.7	5.7 - 45.7	23.6	3.6 - 43.6	18.0	0.0 - 38.0		
	<sup>a</sup> IG #	0.32	0.29 - 0.35	0.82	0.62 - 1.03	1.97	1.38 - 2.56		
<sup>a</sup> IG %	10.58	7.41 - 13.75	11.70	8.78 - 14.63	12.43	7.46 - 17.40			
<sup>b</sup> HPC #	0.014	0.012 - 0.016	0.038	0.034 - 0.042	0.093	0.084 - 0.102			
<sup>c</sup> RET-HE (pg)	23.9	16.7 - 31.1	24.5	18.4 - 30.6	25.3	15.2 - 35.4			
<sup>d</sup> IPF (%)	21.8	18.5 - 25.1	21.6	18.4 - 24.8	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>2009-01-05</b>		Quality Control Data Due Date #1: <b>24-Nov-08</b>			Quality Control Data Due Date #2: <b>5-Jan-09</b>				
Lot Number:		<b>82900801</b>		<b>82900802</b>		<b>82900803</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>	
CLOSED	RBC (10 <sup>12</sup> /L)	2.30	2.16 - 2.44	4.31	4.09 - 4.53	5.21	4.95 - 5.47		
	HGB (g/dL)	5.9	5.5 - 6.3	12.3	11.7 - 12.9	16.4	15.6 - 17.2		
	HCT (%)	17.9	16.6 - 19.2	36.0	33.8 - 38.2	46.4	43.6 - 49.2		
	MCV (fL)	78.0	68.3 - 88.6	83.7	74.8 - 93.2	89.0	79.7 - 99.4		
	MCH (pg)	25.8	22.7 - 28.9	28.6	25.8 - 31.5	31.6	28.5 - 34.8		
	MCHC (g/dL)	33.1	29.0 - 37.6	34.2	30.6 - 38.2	35.4	31.7 - 39.5		
	PLT (10 <sup>9</sup> /L)	54	27 - 81	208	177 - 240	470	399 - 540		
	RDW-SD (fL)	43.5	39.2 - 47.9	43.7	39.3 - 48.1	45.3	40.8 - 49.8		
	RDW-CV (%)	15.2	13.7 - 16.7	14.4	13.0 - 15.8	14.1	12.7 - 15.5		
	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)	2.94	2.50 - 3.38	6.65	6.05 - 7.25	15.56	14.32 - 16.81		
	NEUT%	44.8	35.8 - 53.7	49.7	42.3 - 57.2	51.7	44.0 - 59.5		
	LYMPH%	35.3	21.2 - 49.4	28.7	23.0 - 34.4	24.7	19.8 - 29.7		
	MONO%	10.2	2.0 - 18.4	11.2	6.7 - 15.6	12.0	8.4 - 15.6		
	EO%	9.7	6.8 - 12.6	10.4	7.3 - 13.5	11.6	8.7 - 14.5		
	BASO%	65.4	45.7 - 85.0	69.6	48.8 - 90.5	74.1	55.6 - 92.7		
	NEUT# (10 <sup>9</sup> /L)	1.32	1.05 - 1.58	3.31	2.81 - 3.80	8.05	6.84 - 9.26		
	LYMPH# (10 <sup>9</sup> /L)	1.04	0.62 - 1.45	1.91	1.53 - 2.29	3.85	3.08 - 4.62		
	MONO# (10 <sup>9</sup> /L)	0.30	0.06 - 0.54	0.74	0.30 - 1.19	1.86	1.12 - 2.61		
	EO# (10 <sup>9</sup> /L)	0.29	0.20 - 0.37	0.69	0.48 - 0.90	1.80	1.35 - 2.25		
	BASO# (10 <sup>9</sup> /L)	1.92	1.34 - 2.50	4.63	3.24 - 6.02	11.54	8.65 - 14.42		
	NRBC# (10 <sup>9</sup> /L)	2.90	2.61 - 3.19	6.73	6.33 - 7.14	16.33	15.35 - 17.30		
	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	219	186 - 251	517	440 - 595		
	RET# (10 <sup>12</sup> /L)	0.1510	0.1057 - 0.1963	0.1377	0.0964 - 0.1790	0.0516	0.0361 - 0.0671		
	RET%	6.56	4.59 - 8.53	3.20	2.24 - 4.16	0.99	0.69 - 1.29		
	IRF (%)	25.7	5.7 - 45.7	23.6	3.6 - 43.6	18.0	0.0 - 38.0		
	<sup>a</sup> IG #	0.32	0.29 - 0.35	0.82	0.62 - 1.03	1.97	1.38 - 2.56		
	<sup>a</sup> IG %	10.58	7.41 - 13.75	11.70	8.78 - 14.63	12.43	7.46 - 17.40		
	<sup>b</sup> HPC #	0.014	0.012 - 0.016	0.038	0.034 - 0.042	0.093	0.084 - 0.102		
	<sup>c</sup> RET-HE (pg)	23.9	16.7 - 31.1	24.5	18.4 - 30.6	25.3	15.2 - 35.4		
	<sup>d</sup> IPF (%)	21.8	18.5 - 25.1	21.6	18.4 - 24.8	21.8	18.5 - 25.1		

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<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.