



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

Expiration Date: 2008-09-15		Quality Control Data Due Date #1: 4-Aug-08			Quality Control Data Due Date #2: 15-Sep-08		
Lot Number:		81770801		81770802		81770803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
O P E N	PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
	RBC (10 ¹² /L)	2.29	2.20 - 2.38	4.33	4.20 - 4.46	5.20	5.04 - 5.36
	HGB (g/dL)	5.7	5.5 - 5.9	11.9	11.5 - 12.3	16.2	15.7 - 16.7
	HCT (%)	17.3	16.4 - 18.2	35.0	33.4 - 36.6	45.9	43.8 - 48.0
	MCV (fL)	75.8	69.0 - 82.6	80.9	74.9 - 87.1	88.3	81.8 - 95.1
	MCH (pg)	25.0	23.0 - 27.0	27.6	25.9 - 29.2	31.2	29.3 - 33.1
	MCHC (g/dL)	33.0	30.1 - 36.1	34.1	31.6 - 36.7	35.3	32.8 - 38.1
	PLT (10 ⁹ /L)	57	34 - 80	224	199 - 249	516	470 - 562
	RDW-SD (fL)	42.6	38.3 - 46.9	42.9	38.6 - 47.2	44.1	39.7 - 48.5
	RDW-CV (%)	15.6	14.0 - 17.2	14.6	13.1 - 16.1	13.7	12.3 - 15.1
	MPV (fL)	9.1	8.4 - 9.8	9.5	8.9 - 10.1	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	3.10	2.79 - 3.41	7.34	6.90 - 7.78	16.34	15.36 - 17.32
	NEUT%	44.5	35.6 - 53.4	48.9	41.6 - 56.2	52.9	45.0 - 60.8
	LYMPH%	34.5	20.7 - 48.3	29.0	23.2 - 34.8	24.0	19.2 - 28.8
	MONO%	11.2	2.2 - 20.2	11.6	7.0 - 16.2	11.8	8.3 - 15.3
	EO%	9.8	6.9 - 12.7	10.5	7.4 - 13.7	11.4	8.6 - 14.3
	BASO%	65.4	45.8 - 85.0	70.6	49.4 - 91.8	75.7	56.8 - 94.6
	NEUT# (10 ⁹ /L)	1.38	1.10 - 1.66	3.59	3.05 - 4.13	8.64	7.34 - 9.94
	LYMPH# (10 ⁹ /L)	1.07	0.64 - 1.50	2.13	1.70 - 2.56	3.92	3.14 - 4.70
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.85	0.34 - 1.36	1.92	1.15 - 2.69
	EO# (10 ⁹ /L)	0.30	0.21 - 0.39	0.77	0.54 - 1.00	1.86	1.40 - 2.33
	BASO# (10 ⁹ /L)	2.03	1.42 - 2.64	5.18	3.63 - 6.73	12.37	9.28 - 15.46
	NRBC# (10 ⁹ /L)	3.05	2.75 - 3.36	7.17	6.74 - 7.60	16.83	15.82 - 17.84
	NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A
	PLT-O (10 ⁹ /L)	61	34 - 88	227	193 - 261	521	443 - 599
	RET# (10 ¹² /L)	0.1398	0.0979 - 0.1817	0.1237	0.0866 - 0.1608	0.0537	0.0376 - 0.0698
	RET%	6.11	4.28 - 7.94	2.86	2.00 - 3.72	1.03	0.72 - 1.34
	IRF (%)	23.9	3.9 - 43.9	19.6	0.0 - 39.6	15.4	0.0 - 35.4
^a IG #	0.32	0.29 - 0.35	0.85	0.64 - 1.06	2.01	1.41 - 2.61	
^a IG %	10.45	7.32 - 13.59	11.57	8.68 - 14.46	12.30	7.38 - 17.22	
^b HPC #	0.015	0.013 - 0.017	0.039	0.035 - 0.043	0.099	0.089 - 0.109	
^c RET-HE (pg)	22.4	15.7 - 29.1	23.1	17.3 - 28.9	24.3	14.6 - 34.0	
^d IPF (%)	21.5	18.3 - 24.7	21.4	18.2 - 24.6	21.9	18.6 - 25.2	

^a IG values are only available with the Sysmex XE-Series IG Master software

^b HPC values are only available with the Sysmex XE-Series HPC Master software

^c RET-HE values are only available with the Sysmex XE-Series RET Master software

^d 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: 2008-09-15	Quality Control Data Due Date #1: 4-Aug-08	Quality Control Data Due Date #2: 15-Sep-08
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Lot Number:	81770801	81770802	81770803
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Control:	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 ¹² /L)	2.29	2.15 - 2.43	4.33	4.11 - 4.55	5.20	4.94 - 5.46
	HGB (g/dL)	5.7	5.4 - 6.0	11.9	11.3 - 12.5	16.2	15.4 - 17.0
	HCT (%)	17.3	16.1 - 18.5	35.0	32.9 - 37.1	45.9	43.1 - 48.7
	MCV (fL)	75.8	66.3 - 86.0	80.9	72.4 - 90.2	88.3	79.0 - 98.5
	MCH (pg)	25.0	22.1 - 28.1	27.6	24.9 - 30.4	31.2	28.2 - 34.4
	MCHC (g/dL)	33.0	28.9 - 37.6	34.1	30.5 - 38.0	35.3	31.6 - 39.4
	PLT (10 ⁹ /L)	56	28 - 84	215	183 - 247	480	408 - 552
	RDW-SD (fL)	42.6	38.3 - 46.9	42.9	38.6 - 47.2	44.1	39.7 - 48.5
	RDW-CV (%)	15.6	14.0 - 17.2	14.6	13.1 - 16.1	13.7	12.3 - 15.1
	MPV (fL)	9.1	8.4 - 9.8	9.5	8.9 - 10.1	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	3.01	2.56 - 3.46	6.97	6.35 - 7.60	16.01	14.73 - 17.29
	NEUT%	44.4	35.5 - 53.2	49.2	41.8 - 56.6	52.3	44.4 - 60.1
	LYMPH%	34.5	20.7 - 48.3	28.7	23.0 - 34.5	24.5	19.6 - 29.4
	MONO%	11.6	2.3 - 21.0	11.5	6.9 - 16.0	11.6	8.1 - 15.1
	EO%	9.5	6.6 - 12.3	10.6	7.4 - 13.8	11.6	8.7 - 14.5
	BASO%	66.2	46.3 - 86.0	69.1	48.4 - 89.8	74.2	55.6 - 92.7
	NEUT# (10 ⁹ /L)	1.33	1.07 - 1.60	3.43	2.92 - 3.95	8.37	7.12 - 9.63
	LYMPH# (10 ⁹ /L)	1.04	0.62 - 1.45	2.00	1.60 - 2.40	3.92	3.14 - 4.70
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.80	0.32 - 1.28	1.86	1.12 - 2.61
	EO# (10 ⁹ /L)	0.29	0.20 - 0.37	0.74	0.52 - 0.96	1.86	1.40 - 2.33
	BASO# (10 ⁹ /L)	1.99	1.39 - 2.59	4.82	3.37 - 6.26	11.88	8.91 - 14.84
	NRBC# (10 ⁹ /L)	3.02	2.72 - 3.32	7.03	6.61 - 7.45	16.66	15.66 - 17.66
	NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A
	PLT-O (10 ⁹ /L)	58	29 - 87	222	189 - 256	511	434 - 587
	RET# (10 ¹² /L)	0.1398	0.0979 - 0.1817	0.1237	0.0866 - 0.1608	0.0537	0.0376 - 0.0698
	RET%	6.11	4.28 - 7.94	2.86	2.00 - 3.72	1.03	0.72 - 1.34
	IRF (%)	23.9	3.9 - 43.9	19.6	0.0 - 39.6	15.4	0.0 - 35.4
	^a IG #	0.32	0.29 - 0.35	0.85	0.64 - 1.06	2.01	1.41 - 2.61
^a IG %	10.45	7.32 - 13.59	11.57	8.68 - 14.46	12.30	7.38 - 17.22	
^b HPC #	0.015	0.013 - 0.017	0.039	0.035 - 0.043	0.099	0.089 - 0.109	
^c RET-HE (pg)	22.4	15.7 - 29.1	23.1	17.3 - 28.9	24.3	14.6 - 34.0	
^d IPF (%)	21.5	18.3 - 24.7	21.4	18.2 - 24.6	21.9	18.6 - 25.2	

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