



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

Expiration Date: 2008-11-10		Quality Control Data Due Date #1: 29-Sep-08			Quality Control Data Due Date #2: 10-Nov-08				
Lot Number:		82330801		82330802		82330803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
O P E N	RBC (10 ¹² /L)	2.34	2.25 - 2.43	4.42	4.29 - 4.55	5.24	5.08 - 5.40		
	HGB (g/dL)	5.9	5.7 - 6.1	12.4	12.0 - 12.8	16.2	15.7 - 16.7		
	HCT (%)	17.8	16.9 - 18.7	36.3	34.7 - 37.9	45.9	43.8 - 48.0		
	MCV (fL)	76.2	69.5 - 83.2	82.1	76.1 - 88.5	87.7	81.2 - 94.4		
	MCH (pg)	25.1	23.3 - 27.3	28.1	26.4 - 29.8	30.9	29.1 - 32.8		
	MCHC (g/dL)	33.0	30.3 - 36.3	34.2	31.7 - 36.8	35.2	32.8 - 38.1		
	PLT (10 ⁹ /L)	53	32 - 74	208	185 - 231	493	449 - 537		
	RDW-SD (fL)	45.7	41.1 - 50.3	43.8	39.4 - 48.2	44.6	40.1 - 49.1		
	RDW-CV (%)	16.5	14.9 - 18.2	14.8	13.3 - 16.3	14.1	12.7 - 15.5		
	MPV (fL)	9.3	8.6 - 10.0	9.6	9.0 - 10.2	9.8	9.2 - 10.4		
	WBC (10 ⁹ /L)	3.01	2.71 - 3.31	7.06	6.64 - 7.48	16.44	15.45 - 17.43		
	NEUT%	44.8	35.8 - 53.8	48.6	41.3 - 55.9	53.6	45.6 - 61.6		
	LYMPH%	34.3	20.6 - 48.0	29.8	23.8 - 35.8	23.9	19.1 - 28.7		
	MONO%	11.1	2.2 - 20.0	11.0	6.6 - 15.4	11.2	7.8 - 14.6		
	EO%	9.8	6.9 - 12.7	10.6	7.4 - 13.8	11.3	8.5 - 14.1		
	BASO%	65.0	45.5 - 84.5	69.6	48.7 - 90.5	75.9	56.9 - 94.9		
	NEUT# (10 ⁹ /L)	1.35	1.08 - 1.62	3.43	2.92 - 3.94	8.81	7.49 - 10.13		
	LYMPH# (10 ⁹ /L)	1.03	0.62 - 1.44	2.11	1.69 - 2.53	3.93	3.14 - 4.72		
	MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.78	0.31 - 1.25	1.84	1.10 - 2.58		
	EO# (10 ⁹ /L)	0.30	0.21 - 0.39	0.74	0.52 - 0.96	1.86	1.40 - 2.33		
	BASO# (10 ⁹ /L)	1.95	1.37 - 2.54	4.91	3.44 - 6.38	12.48	9.36 - 15.60		
	NRBC# (10 ⁹ /L)	2.95	2.66 - 3.25	6.96	6.54 - 7.38	17.11	16.08 - 18.14		
	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)	60	33 - 87	219	186 - 252	516	439 - 593		
	RET# (10 ¹² /L)	0.1458	0.1021 - 0.1895	0.1211	0.0848 - 0.1574	0.0492	0.0344 - 0.0640		
	RET%	6.23	4.36 - 8.10	2.74	1.92 - 3.56	0.94	0.66 - 1.22		
	IRF (%)	24.2	4.2 - 44.2	19.4	0.0 - 39.4	15.1	0.0 - 35.1		
	^a IG #	0.32	0.29 - 0.35	0.81	0.61 - 1.01	2.05	1.44 - 2.67		
	^a IG %	10.61	7.43 - 13.79	11.42	8.57 - 14.28	12.46	7.48 - 17.44		
	^b HPC #	0.015	0.013 - 0.017	0.039	0.035 - 0.043	0.100	0.090 - 0.110		
^c RET-HE (pg)	22.9	16.0 - 29.8	23.6	17.7 - 29.5	24.6	14.8 - 34.4			
^d IPF (%)	21.8	18.5 - 25.1	21.5	18.3 - 24.7	21.5	18.3 - 24.7			

^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: 2008-11-10		Quality Control Data Due Date #1: 29-Sep-08			Quality Control Data Due Date #2: 10-Nov-08				
Lot Number:		82330801		82330802		82330803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
CLOSED	RBC (10 ¹² /L)	2.34	2.20 - 2.48	4.42	4.20 - 4.64	5.24	4.98 - 5.50		
	HGB (g/dL)	5.9	5.5 - 6.3	12.4	11.8 - 13.0	16.2	15.4 - 17.0		
	HCT (%)	17.8	16.6 - 19.0	36.3	34.1 - 38.5	45.9	43.1 - 48.7		
	MCV (fL)	76.2	66.7 - 86.6	82.1	73.5 - 91.6	87.7	78.4 - 97.7		
	MCH (pg)	25.1	22.4 - 28.4	28.1	25.4 - 31.0	30.9	28.0 - 34.2		
	MCHC (g/dL)	33.0	29.1 - 37.8	34.2	30.6 - 38.2	35.2	31.6 - 39.4		
	PLT (10 ⁹ /L)	52	26 - 78	200	170 - 230	458	390 - 527		
	RDW-SD (fL)	45.7	41.1 - 50.3	43.8	39.4 - 48.2	44.6	40.1 - 49.1		
	RDW-CV (%)	16.5	14.9 - 18.2	14.8	13.3 - 16.3	14.1	12.7 - 15.5		
	MPV (fL)	9.3	8.6 - 10.0	9.6	9.0 - 10.2	9.8	9.2 - 10.4		
	WBC (10 ⁹ /L)	2.92	2.48 - 3.36	6.71	6.10 - 7.31	16.11	14.82 - 17.40		
	NEUT%	44.7	35.8 - 53.7	48.9	41.6 - 56.2	53.0	45.0 - 60.9		
	LYMPH%	34.2	20.5 - 47.9	29.6	23.7 - 35.5	24.4	19.5 - 29.3		
	MONO%	11.3	2.3 - 20.3	10.9	6.6 - 15.3	11.1	7.8 - 14.4		
	EO%	9.8	6.8 - 12.7	10.6	7.4 - 13.8	11.5	8.7 - 14.4		
	BASO%	65.5	45.8 - 85.1	68.1	47.7 - 88.5	74.4	55.8 - 93.0		
	NEUT# (10 ⁹ /L)	1.31	1.04 - 1.57	3.28	2.79 - 3.77	8.54	7.26 - 9.82		
	LYMPH# (10 ⁹ /L)	1.00	0.60 - 1.40	1.98	1.59 - 2.38	3.93	3.14 - 4.72		
	MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.73	0.29 - 1.17	1.78	1.07 - 2.50		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.37	0.71	0.50 - 0.92	1.86	1.40 - 2.33		
	BASO# (10 ⁹ /L)	1.91	1.34 - 2.48	4.57	3.20 - 5.94	11.98	8.99 - 14.98		
	NRBC# (10 ⁹ /L)	2.92	2.63 - 3.21	6.82	6.41 - 7.23	16.94	15.92 - 17.96		
	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)	57	29 - 86	215	182 - 247	506	430 - 582		
	RET# (10 ¹² /L)	0.1458	0.1021 - 0.1895	0.1211	0.0848 - 0.1574	0.0492	0.0344 - 0.0640		
	RET%	6.23	4.36 - 8.10	2.74	1.92 - 3.56	0.94	0.66 - 1.22		
	IRF (%)	24.2	4.2 - 44.2	19.4	0.0 - 39.4	15.1	0.0 - 35.1		
	^a IG #	0.32	0.29 - 0.35	0.81	0.61 - 1.01	2.05	1.44 - 2.67		
	^a IG %	10.61	7.43 - 13.79	11.42	8.57 - 14.28	12.46	7.48 - 17.44		
	^b HPC #	0.015	0.013 - 0.017	0.039	0.035 - 0.043	0.100	0.090 - 0.110		
^c RET-HE (pg)	22.9	16.0 - 29.8	23.6	17.7 - 29.5	24.6	14.8 - 34.4			
^d IPF (%)	21.8	18.5 - 25.1	21.5	18.3 - 24.7	21.5	18.3 - 24.7			

^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