



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

Expiration Date: 2009-01-05		Quality Control Data Due Date #1: 24-Nov-08			Quality Control Data Due Date #2: 5-Jan-09				
Lot Number:		82890801		82890802		82890803			
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)	2.31	2.22 - 2.40	4.36	4.23 - 4.49	5.31	5.15 - 5.47		
	HGB (g/dL)	5.9	5.7 - 6.1	12.3	11.9 - 12.7	16.5	16.0 - 17.0		
	HCT (%)	17.7	16.8 - 18.6	35.8	34.2 - 37.4	46.5	44.4 - 48.6		
	MCV (fL)	76.5	70.0 - 83.8	82.1	76.1 - 88.5	87.5	81.2 - 94.3		
	MCH (pg)	25.6	23.6 - 27.7	28.2	26.6 - 30.0	31.0	29.3 - 33.0		
	MCHC (g/dL)	33.5	30.5 - 36.5	34.4	31.9 - 37.1	35.4	32.9 - 38.3		
	PLT (10 ⁹ /L)	53	32 - 74	213	190 - 236	503	458 - 548		
	RDW-SD (fL)	46.8	42.1 - 51.5	44.3	39.9 - 48.7	45.4	40.9 - 49.9		
	RDW-CV (%)	16.8	15.1 - 18.5	15.0	13.5 - 16.5	14.4	13.0 - 15.8		
	MPV (fL)	8.8	8.1 - 9.5	9.2	8.6 - 9.8	9.4	8.8 - 10.0		
	WBC (10 ⁹ /L)	3.03	2.73 - 3.33	7.06	6.64 - 7.48	15.96	15.00 - 16.92		
	NEUT%	44.7	35.8 - 53.6	48.2	41.0 - 55.4	52.0	44.2 - 59.8		
	LYMPH%	35.1	21.1 - 49.1	29.9	23.9 - 35.9	24.4	19.5 - 29.3		
	MONO%	10.4	2.1 - 18.7	11.6	7.0 - 16.2	12.3	8.6 - 16.0		
	EO%	9.8	6.9 - 12.7	10.4	7.3 - 13.5	11.3	8.5 - 14.1		
	BASO%	64.8	45.4 - 84.2	69.9	48.9 - 90.9	75.6	56.7 - 94.5		
	NEUT# (10 ⁹ /L)	1.36	1.09 - 1.63	3.41	2.90 - 3.92	8.31	7.06 - 9.56		
	LYMPH# (10 ⁹ /L)	1.06	0.64 - 1.48	2.11	1.69 - 2.53	3.89	3.11 - 4.67		
	MONO# (10 ⁹ /L)	0.31	0.06 - 0.56	0.82	0.33 - 1.31	1.97	1.18 - 2.76		
	EO# (10 ⁹ /L)	0.30	0.21 - 0.39	0.73	0.51 - 0.95	1.80	1.35 - 2.25		
	BASO# (10 ⁹ /L)	1.96	1.37 - 2.55	4.94	3.46 - 6.42	12.07	9.05 - 15.09		
	NRBC# (10 ⁹ /L)	2.95	2.66 - 3.25	6.94	6.52 - 7.36	16.57	15.58 - 17.56		
	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	32 - 84	220	187 - 253	520	442 - 598		
	RET# (10 ¹² /L)	0.1558	0.1091 - 0.2025	0.1401	0.0981 - 0.1821	0.0614	0.0430 - 0.0798		
	RET%	6.74	4.72 - 8.76	3.21	2.25 - 4.17	1.16	0.81 - 1.51		
	IRF (%)	27.0	7.0 - 47.0	24.1	4.1 - 44.1	20.2	0.2 - 40.2		
	^a IG #	0.32	0.29 - 0.35	0.80	0.60 - 1.00	1.96	1.37 - 2.55		
^a IG %	10.66	7.46 - 13.86	11.29	8.47 - 14.11	12.28	7.37 - 17.19			
^b HPC #	0.014	0.012 - 0.016	0.037	0.033 - 0.041	0.093	0.084 - 0.102			
^c RET-HE (pg)	24.5	17.2 - 31.9	24.8	18.6 - 31.0	25.5	15.3 - 35.7			
^d IPF (%)	21.5	18.3 - 24.7	22.0	18.7 - 25.3	21.8	18.5 - 25.1			

^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: 2009-01-05		Quality Control Data Due Date #1: 24-Nov-08			Quality Control Data Due Date #2: 5-Jan-09		
Lot Number:		82890801		82890802		82890803	
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)	2.31	2.17 - 2.45	4.36	4.14 - 4.58	5.31	5.04 - 5.58
	HGB (g/dL)	5.9	5.5 - 6.3	12.3	11.7 - 12.9	16.5	15.7 - 17.3
	HCT (%)	17.7	16.5 - 18.9	35.8	33.7 - 37.9	46.5	43.7 - 49.3
	MCV (fL)	76.5	67.2 - 87.2	82.1	73.5 - 91.6	87.5	78.4 - 97.7
	MCH (pg)	25.6	22.6 - 28.8	28.2	25.5 - 31.2	31.0	28.1 - 34.3
	MCHC (g/dL)	33.5	29.3 - 38.0	34.4	30.8 - 38.4	35.4	31.8 - 39.6
	PLT (10 ⁹ /L)	52	26 - 78	204	174 - 235	468	398 - 538
	RDW-SD (fL)	46.8	42.1 - 51.5	44.3	39.9 - 48.7	45.4	40.9 - 49.9
	RDW-CV (%)	16.8	15.1 - 18.5	15.0	13.5 - 16.5	14.4	13.0 - 15.8
	MPV (fL)	8.8	8.1 - 9.5	9.2	8.6 - 9.8	9.4	8.8 - 10.0
	WBC (10 ⁹ /L)	2.94	2.50 - 3.38	6.71	6.10 - 7.31	15.64	14.39 - 16.89
	NEUT%	44.8	35.8 - 53.7	48.5	41.2 - 55.8	51.4	43.7 - 59.1
	LYMPH%	35.0	21.0 - 49.0	29.6	23.7 - 35.5	24.9	19.9 - 29.8
	MONO%	10.5	2.1 - 19.0	11.5	6.9 - 16.1	12.2	8.6 - 15.9
	EO%	9.7	6.8 - 12.6	10.4	7.3 - 13.6	11.5	8.6 - 14.4
	BASO%	65.4	45.7 - 85.0	68.5	47.9 - 89.0	74.1	55.6 - 92.6
	NEUT# (10 ⁹ /L)	1.32	1.05 - 1.58	3.25	2.76 - 3.74	8.04	6.83 - 9.25
	LYMPH# (10 ⁹ /L)	1.03	0.62 - 1.44	1.98	1.59 - 2.38	3.89	3.11 - 4.67
	MONO# (10 ⁹ /L)	0.31	0.06 - 0.56	0.77	0.31 - 1.23	1.91	1.15 - 2.68
	EO# (10 ⁹ /L)	0.29	0.20 - 0.37	0.70	0.49 - 0.91	1.80	1.35 - 2.25
	BASO# (10 ⁹ /L)	1.92	1.34 - 2.50	4.59	3.22 - 5.97	11.59	8.69 - 14.48
	NRBC# (10 ⁹ /L)	2.92	2.63 - 3.21	6.80	6.39 - 7.21	16.40	15.42 - 17.39
	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)	55	28 - 83	216	183 - 248	510	433 - 586
	RET# (10 ¹² /L)	0.1558	0.1091 - 0.2025	0.1401	0.0981 - 0.1821	0.0614	0.0430 - 0.0798
	RET%	6.74	4.72 - 8.76	3.21	2.25 - 4.17	1.16	0.81 - 1.51
	IRF (%)	27.0	7.0 - 47.0	24.1	4.1 - 44.1	20.2	0.2 - 40.2
	^a IG #	0.32	0.29 - 0.35	0.80	0.60 - 1.00	1.96	1.37 - 2.55
	^a IG %	10.66	7.46 - 13.86	11.29	8.47 - 14.11	12.28	7.37 - 17.19
	^b HPC #	0.014	0.012 - 0.016	0.037	0.033 - 0.041	0.093	0.084 - 0.102
^c RET-HE (pg)	24.5	17.2 - 31.9	24.8	18.6 - 31.0	25.5	15.3 - 35.7	
^d IPF (%)	21.5	18.3 - 24.7	22.0	18.7 - 25.3	21.8	18.5 - 25.1	

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^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