



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

Expiration Date: 2011-10-10		Quality Control Data Due Date #1: 29-Aug-11			Quality Control Data Due Date #2: 10-Oct-11				
Lot Number:		12010801		12010802		12010803			
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)	2.27	2.18 - 2.36	4.35	4.22 - 4.48	5.23	5.07 - 5.39		
	HGB (g/dL)	5.9	5.7 - 6.1	12.4	12.0 - 12.8	16.2	15.7 - 16.7		
	HCT (%)	17.9	17.0 - 18.8	36.2	34.6 - 37.8	46.3	44.2 - 48.4		
	MCV (fL)	78.7	72.0 - 86.2	83.2	77.2 - 89.7	88.5	82.1 - 95.4		
	MCH (pg)	26.0	24.0 - 28.2	28.5	26.8 - 30.3	31.0	29.2 - 32.9		
	MCHC (g/dL)	33.0	30.1 - 36.1	34.3	31.8 - 36.9	35.0	32.5 - 37.7		
	PLT (10 ⁹ /L)	55	33 - 77	217	193 - 241	515	469 - 561		
	RDW-SD (fL)	44.4	40.0 - 48.8	43.3	39.0 - 47.6	43.4	39.1 - 47.7		
	RDW-CV (%)	15.4	13.9 - 16.9	14.3	12.9 - 15.7	13.5	12.2 - 14.9		
	MPV (fL)	9.3	8.6 - 10.0	9.7	9.1 - 10.3	9.8	9.2 - 10.4		
	WBC (10 ⁹ /L)	2.99	2.69 - 3.29	7.03	6.61 - 7.45	16.82	15.81 - 17.83		
	NEUT%	43.4	34.7 - 52.1	47.7	40.5 - 54.9	51.3	43.6 - 59.0		
	LYMPH%	35.4	21.2 - 49.6	29.9	23.9 - 35.9	25.3	20.2 - 30.4		
	MONO%	11.6	2.3 - 20.9	12.0	7.2 - 16.8	11.9	8.3 - 15.5		
	EO%	9.6	6.7 - 12.5	10.4	7.3 - 13.5	11.5	8.6 - 14.4		
	BASO%	62.8	44.0 - 81.6	69.3	48.5 - 90.1	73.8	55.4 - 92.3		
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.56	3.36	2.86 - 3.86	8.63	7.34 - 9.92		
	LYMPH# (10 ⁹ /L)	1.06	0.64 - 1.48	2.10	1.68 - 2.52	4.26	3.41 - 5.11		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.84	0.34 - 1.34	2.00	1.20 - 2.80		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.73	0.51 - 0.95	1.94	1.46 - 2.43		
	BASO# (10 ⁹ /L)	1.88	1.32 - 2.44	4.87	3.41 - 6.33	12.42	9.32 - 15.53		
	NRBC# (10 ⁹ /L)	2.94	2.65 - 3.23	6.90	6.49 - 7.31	17.73	16.67 - 18.79		
	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	210	179 - 242	506	430 - 582		
	RET# (10 ¹² /L)	0.1346	0.0942 - 0.1750	0.1005	0.0704 - 0.1307	0.0508	0.0356 - 0.0660		
	RET%	5.93	4.15 - 7.71	2.31	1.62 - 3.00	0.97	0.68 - 1.26		
	IRF (%)	21.7	1.7 - 41.7	20.8	0.8 - 40.8	17.3	0.0 - 37.3		
	^a IG #	0.31	0.28 - 0.34	0.79	0.59 - 0.99	2.02	1.41 - 2.63		
	^a IG %	10.40	7.28 - 13.52	11.20	8.40 - 14.00	12.01	7.21 - 16.81		
	^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.099	0.089 - 0.109		
^c RET-HE (pg)	23.0	16.1 - 29.9	23.7	17.8 - 29.6	24.7	14.8 - 34.6			
^d IPF (%)	21.9	18.6 - 25.2	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: 2011-10-10		Quality Control Data Due Date #1: 29-Aug-11			Quality Control Data Due Date #2: 10-Oct-11		
Lot Number:		12010801		12010802		12010803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
C L O S E D	PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
	RBC (10 ¹² /L)	2.27	2.13 - 2.41	4.35	4.13 - 4.57	5.23	4.97 - 5.49
	HGB (g/dL)	5.9	5.5 - 6.3	12.4	11.8 - 13.0	16.2	15.4 - 17.0
	HCT (%)	17.9	16.6 - 19.2	36.2	34.0 - 38.4	46.3	43.5 - 49.1
	MCV (fL)	78.7	69.2 - 89.8	83.2	74.5 - 92.9	88.5	79.3 - 98.8
	MCH (pg)	26.0	23.0 - 29.3	28.5	25.8 - 31.5	31.0	28.0 - 34.2
	MCHC (g/dL)	33.0	29.0 - 37.6	34.3	30.7 - 38.3	35.0	31.4 - 39.1
	PLT (10 ⁹ /L)	54	27 - 81	208	177 - 240	479	407 - 551
	RDW-SD (fL)	44.4	40.0 - 48.8	43.3	39.0 - 47.6	43.4	39.1 - 47.7
	RDW-CV (%)	15.4	13.9 - 16.9	14.3	12.9 - 15.7	13.5	12.2 - 14.9
	MPV (fL)	9.3	8.6 - 10.0	9.7	9.1 - 10.3	9.8	9.2 - 10.4
	WBC (10 ⁹ /L)	2.90	2.47 - 3.34	6.68	6.08 - 7.28	16.48	15.16 - 17.80
	NEUT%	43.0	34.4 - 51.6	48.1	40.9 - 55.3	50.6	43.0 - 58.2
	LYMPH%	35.5	21.3 - 49.6	29.6	23.6 - 35.5	25.8	20.7 - 31.0
	MONO%	12.1	2.4 - 21.7	11.8	7.1 - 16.6	11.8	8.2 - 15.3
	EO%	9.5	6.6 - 12.3	10.5	7.3 - 13.6	11.8	8.8 - 14.7
	BASO%	63.5	44.5 - 82.6	67.8	47.5 - 88.2	72.3	54.3 - 90.4
	NEUT# (10 ⁹ /L)	1.25	1.00 - 1.50	3.21	2.73 - 3.70	8.34	7.09 - 9.60
	LYMPH# (10 ⁹ /L)	1.03	0.62 - 1.44	1.97	1.58 - 2.37	4.26	3.41 - 5.11
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.79	0.32 - 1.26	1.94	1.16 - 2.72
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.70	0.49 - 0.91	1.94	1.46 - 2.43
	BASO# (10 ⁹ /L)	1.84	1.29 - 2.40	4.53	3.17 - 5.89	11.92	8.94 - 14.90
	NRBC# (10 ⁹ /L)	2.91	2.62 - 3.20	6.76	6.36 - 7.17	17.55	16.50 - 18.61
	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	206	175 - 237	496	421 - 570
	RET# (10 ¹² /L)	0.1346	0.0942 - 0.1750	0.1005	0.0704 - 0.1307	0.0508	0.0356 - 0.0660
	RET%	5.93	4.15 - 7.71	2.31	1.62 - 3.00	0.97	0.68 - 1.26
	IRF (%)	21.7	1.7 - 41.7	20.8	0.8 - 40.8	17.3	0.0 - 37.3
	^a IG #	0.31	0.28 - 0.34	0.79	0.59 - 0.99	2.02	1.41 - 2.63
	^a IG %	10.40	7.28 - 13.52	11.20	8.40 - 14.00	12.01	7.21 - 16.81
	^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.099	0.089 - 0.109
	^c RET-HE (pg)	23.0	16.1 - 29.9	23.7	17.8 - 29.6	24.7	14.8 - 34.6
	^d IPF (%)	21.9	18.6 - 25.2	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.