



**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:		82340801		82340802		82340803				
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)	2.32	2.23	- 2.41	4.34	4.21	- 4.47	5.24	5.08	- 5.40
	HGB (g/dL)	5.9	5.7	- 6.1	11.9	11.5	- 12.3	16.1	15.6	- 16.6
	HCT (%)	17.8	16.9	- 18.7	34.7	33.1	- 36.3	45.8	43.7	- 47.9
	MCV (fL)	76.6	70.1	- 83.9	79.8	74.1	- 86.1	87.5	81.0	- 94.2
	MCH (pg)	25.4	23.5	- 27.6	27.3	25.8	- 29.1	30.7	28.9	- 32.6
	MCHC (g/dL)	33.2	30.3	- 36.3	34.2	31.8	- 37.0	35.1	32.6	- 37.9
	PLT (10 ⁹ /L)	55	33	- 77	216	192	- 240	517	470	- 564
	RDW-SD (fL)	44.1	39.7	- 48.5	42.8	38.5	- 47.1	44.1	39.7	- 48.5
	RDW-CV (%)	15.8	14.2	- 17.4	14.8	13.3	- 16.3	14.0	12.6	- 15.4
	MPV (fL)	9.6	8.8	- 10.4	9.4	8.8	- 10.0	9.7	9.1	- 10.3
	WBC (10 ⁹ /L)	3.04	2.74	- 3.34	7.58	7.13	- 8.03	16.72	15.72	- 17.72
	NEUT%	45.3	36.2	- 54.4	50.7	43.1	- 58.3	53.4	45.4	- 61.4
	LYMPH%	34.4	20.6	- 48.2	28.9	23.1	- 34.7	24.0	19.2	- 28.8
	MONO%	10.6	2.1	- 19.1	9.8	5.9	- 13.7	11.2	7.8	- 14.6
	EO%	9.7	6.8	- 12.6	10.7	7.5	- 13.9	11.4	8.6	- 14.3
	BASO%	65.3	45.7	- 84.9	70.8	49.6	- 92.0	76.4	57.3	- 95.5
	NEUT# (10 ⁹ /L)	1.37	1.10	- 1.64	3.84	3.26	- 4.42	8.92	7.58	- 10.26
	LYMPH# (10 ⁹ /L)	1.05	0.63	- 1.47	2.19	1.75	- 2.63	4.02	3.22	- 4.82
	MONO# (10 ⁹ /L)	0.32	0.06	- 0.58	0.74	0.30	- 1.18	1.88	1.13	- 2.63
	EO# (10 ⁹ /L)	0.29	0.20	- 0.38	0.81	0.57	- 1.05	1.90	1.43	- 2.38
	BASO# (10 ⁹ /L)	1.98	1.39	- 2.57	5.37	3.76	- 6.98	12.78	9.59	- 15.98
	NRBC# (10 ⁹ /L)	2.97	2.67	- 3.27	7.40	6.96	- 7.84	17.19	16.16	- 18.22
	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)	62	34	- 90	226	192	- 260	541	460	- 622
	RET# (10 ¹² /L)	0.1266	0.0886	- 0.1646	0.1064	0.0745	- 0.1383	0.0513	0.0359	- 0.0667
	RET%	5.46	3.82	- 7.10	2.45	1.72	- 3.19	0.98	0.69	- 1.27
	IRF (%)	24.1	4.1	- 44.1	20.2	0.2	- 40.2	15.7	0.0	- 35.7
^a IG #	0.32	0.29	- 0.35	0.91	0.68	- 1.14	2.08	1.46	- 2.70	
^a IG %	10.66	7.46	- 13.86	11.96	8.97	- 14.95	12.45	7.47	- 17.43	
^b HPC #	0.015	0.013	- 0.017	0.042	0.038	- 0.046	0.103	0.093	- 0.113	
^c RET-HE (pg)	23.9	16.7	- 31.1	24.4	18.3	- 30.5	25.2	15.1	- 35.3	
^d IPF (%)	21.6	18.4	- 24.8	21.7	18.4	- 25.0	21.7	18.4	- 25.0	

^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:		82340801		82340802		82340803			
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)	2.32	2.18 - 2.46	4.34	4.12 - 4.56	5.24	4.98 - 5.50		
	HGB (g/dL)	5.9	5.5 - 6.3	11.9	11.3 - 12.5	16.1	15.3 - 16.9		
	HCT (%)	17.8	16.6 - 19.0	34.7	32.6 - 36.8	45.8	43.1 - 48.5		
	MCV (fL)	76.6	67.3 - 87.3	79.8	71.6 - 89.2	87.5	78.2 - 97.5		
	MCH (pg)	25.4	22.6 - 28.7	27.3	24.8 - 30.3	30.7	27.8 - 34.0		
	MCHC (g/dL)	33.2	29.1 - 37.8	34.2	30.7 - 38.3	35.1	31.5 - 39.3		
	PLT (10 ⁹ /L)	54	27 - 81	207	176 - 238	481	409 - 553		
	RDW-SD (fL)	44.1	39.7 - 48.5	42.8	38.5 - 47.1	44.1	39.7 - 48.5		
	RDW-CV (%)	15.8	14.2 - 17.4	14.8	13.3 - 16.3	14.0	12.6 - 15.4		
	MPV (fL)	9.6	8.8 - 10.4	9.4	8.8 - 10.0	9.7	9.1 - 10.3		
	WBC (10 ⁹ /L)	2.95	2.51 - 3.39	7.20	6.55 - 7.85	16.39	15.07 - 17.70		
	NEUT%	45.3	36.2 - 54.3	51.0	43.3 - 58.6	52.7	44.8 - 60.7		
	LYMPH%	34.5	20.7 - 48.4	28.6	22.9 - 34.3	24.5	19.6 - 29.4		
	MONO%	10.9	2.2 - 19.5	9.7	5.8 - 13.5	11.1	7.8 - 14.5		
	EO%	9.3	6.5 - 12.1	10.8	7.6 - 14.0	11.6	8.7 - 14.5		
	BASO%	65.8	46.1 - 85.5	69.4	48.5 - 90.2	74.9	56.2 - 93.6		
	NEUT# (10 ⁹ /L)	1.33	1.07 - 1.60	3.67	3.12 - 4.22	8.64	7.35 - 9.94		
	LYMPH# (10 ⁹ /L)	1.02	0.61 - 1.43	2.06	1.65 - 2.47	4.02	3.22 - 4.82		
	MONO# (10 ⁹ /L)	0.32	0.06 - 0.58	0.70	0.28 - 1.11	1.82	1.09 - 2.55		
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.78	0.54 - 1.01	1.90	1.43 - 2.38		
	BASO# (10 ⁹ /L)	1.94	1.36 - 2.52	4.99	3.50 - 6.49	12.27	9.20 - 15.34		
	NRBC# (10 ⁹ /L)	2.94	2.65 - 3.23	7.25	6.82 - 7.69	17.02	16.00 - 18.04		
	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)	59	29 - 88	221	188 - 255	530	451 - 610		
	RET# (10 ¹² /L)	0.1266	0.0886 - 0.1646	0.1064	0.0745 - 0.1383	0.0513	0.0359 - 0.0667		
	RET%	5.46	3.82 - 7.10	2.45	1.72 - 3.19	0.98	0.69 - 1.27		
	IRF (%)	24.1	4.1 - 44.1	20.2	0.2 - 40.2	15.7	0.0 - 35.7		
	^a IG #	0.32	0.29 - 0.35	0.91	0.68 - 1.14	2.08	1.46 - 2.70		
^a IG %	10.66	7.46 - 13.86	11.96	8.97 - 14.95	12.45	7.47 - 17.43			
^b HPC #	0.015	0.013 - 0.017	0.042	0.038 - 0.046	0.103	0.093 - 0.113			
^c RET-HE (pg)	23.9	16.7 - 31.1	24.4	18.3 - 30.5	25.2	15.1 - 35.3			
^d IPF (%)	21.6	18.4 - 24.8	21.7	18.4 - 25.0	21.7	18.4 - 25.0			

^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