



**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:		81780801		81780802		81780803			
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	4.32	4.19 - 4.45	5.24	5.08 - 5.40		
	HGB (g/dL)	5.8	5.6 - 6.0	11.8	11.4 - 12.2	15.9	15.4 - 16.4		
	HCT (%)	17.6	16.7 - 18.5	34.7	33.1 - 36.3	45.0	43.0 - 47.0		
	MCV (fL)	76.3	69.6 - 83.3	80.2	74.5 - 86.5	86.0	79.6 - 92.5		
	MCH (pg)	25.1	23.2 - 27.2	27.2	25.7 - 29.0	30.4	28.6 - 32.2		
	MCHC (g/dL)	33.0	30.1 - 36.1	33.9	31.6 - 36.7	35.3	32.8 - 38.1		
	PLT (10 ⁹ /L)	56	34 - 78	213	190 - 236	503	458 - 548		
	RDW-SD (fL)	44.3	39.9 - 48.7	42.4	38.2 - 46.6	42.4	38.2 - 46.6		
	RDW-CV (%)	16.0	14.4 - 17.6	14.7	13.2 - 16.2	13.7	12.3 - 15.1		
	MPV (fL)	9.3	8.6 - 10.0	9.5	8.9 - 10.1	9.6	9.0 - 10.2		
	WBC (10 ⁹ /L)	3.03	2.73 - 3.33	7.11	6.68 - 7.54	16.21	15.24 - 17.18		
	NEUT%	44.2	35.4 - 53.0	48.5	41.2 - 55.8	53.5	45.5 - 61.5		
	LYMPH%	35.7	21.4 - 50.0	30.0	24.0 - 36.0	23.4	18.7 - 28.1		
	MONO%	10.4	2.1 - 18.7	10.8	6.5 - 15.1	11.7	8.2 - 15.2		
	EO%	9.8	6.9 - 12.7	10.7	7.5 - 13.9	11.4	8.6 - 14.3		
	BASO%	63.7	44.6 - 82.8	69.9	48.9 - 90.9	76.3	57.2 - 95.4		
	NEUT# (10 ⁹ /L)	1.34	1.07 - 1.61	3.45	2.93 - 3.97	8.67	7.37 - 9.97		
	LYMPH# (10 ⁹ /L)	1.08	0.65 - 1.51	2.14	1.71 - 2.57	3.80	3.04 - 4.56		
	MONO# (10 ⁹ /L)	0.31	0.06 - 0.56	0.77	0.31 - 1.23	1.90	1.14 - 2.66		
	EO# (10 ⁹ /L)	0.30	0.21 - 0.39	0.76	0.53 - 0.99	1.84	1.38 - 2.30		
	BASO# (10 ⁹ /L)	1.93	1.35 - 2.51	4.97	3.48 - 6.46	12.37	9.28 - 15.46		
	NRBC# (10 ⁹ /L)	2.99	2.69 - 3.29	6.91	6.50 - 7.32	16.51	15.52 - 17.50		
	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	32 - 86	216	184 - 248	508	432 - 584		
	RET# (10 ¹² /L)	0.1391	0.0974 - 0.1808	0.1180	0.0826 - 0.1534	0.0533	0.0373 - 0.0693		
	RET%	6.02	4.21 - 7.83	2.73	1.91 - 3.55	1.02	0.71 - 1.33		
	IRF (%)	23.2	3.2 - 43.2	20.7	0.7 - 40.7	14.8	0.0 - 34.8		
	^a IG #	0.32	0.29 - 0.35	0.80	0.60 - 1.00	2.01	1.41 - 2.61		
	^a IG %	10.44	7.31 - 13.57	11.29	8.47 - 14.11	12.39	7.43 - 17.35		
	^b HPC #	0.015	0.013 - 0.017	0.038	0.034 - 0.042	0.097	0.087 - 0.107		
^c RET-HE (pg)	22.6	15.8 - 29.4	23.1	17.3 - 28.9	23.9	14.3 - 33.5			
^d IPF (%)	21.5	18.3 - 24.7	21.3	18.1 - 24.5	21.4	18.2 - 24.6			

^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					
Lot Number:		81780801		81780802		81780803				
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	4.32	4.10	- 4.54	5.24	4.98	- 5.50
	HGB (g/dL)	5.8	5.5	- 6.1	11.8	11.2	- 12.4	15.9	15.1	- 16.7
	HCT (%)	17.6	16.4	- 18.8	34.7	32.6	- 36.8	45.0	42.3	- 47.7
	MCV (fL)	76.3	66.8	- 86.7	80.2	71.9	- 89.6	86.0	76.9	- 95.8
	MCH (pg)	25.1	22.3	- 28.3	27.2	24.7	- 30.2	30.4	27.5	- 33.5
	MCHC (g/dL)	33.0	29.0	- 37.6	33.9	30.5	- 38.0	35.3	31.7	- 39.5
	PLT (10 ⁹ /L)	55	27	- 82	204	174	- 235	468	398	- 538
	RDW-SD (fL)	44.3	39.9	- 48.7	42.4	38.2	- 46.6	42.4	38.2	- 46.6
	RDW-CV (%)	16.0	14.4	- 17.6	14.7	13.2	- 16.2	13.7	12.3	- 15.1
	MPV (fL)	9.3	8.6	- 10.0	9.5	8.9	- 10.1	9.6	9.0	- 10.2
	WBC (10 ⁹ /L)	2.94	2.50	- 3.38	6.75	6.15	- 7.36	15.89	14.61	- 17.16
	NEUT%	44.1	35.3	- 52.9	48.7	41.4	- 56.0	52.9	45.0	- 60.8
	LYMPH%	35.6	21.4	- 49.9	29.8	23.8	- 35.7	23.9	19.1	- 28.7
	MONO%	10.5	2.1	- 19.0	10.7	6.4	- 15.0	11.6	8.1	- 15.1
	EO%	9.7	6.8	- 12.6	10.8	7.6	- 14.0	11.6	8.7	- 14.5
	BASO%	64.4	45.0	- 83.7	68.4	47.9	- 89.0	74.8	56.1	- 93.4
	NEUT# (10 ⁹ /L)	1.30	1.04	- 1.56	3.29	2.80	- 3.78	8.40	7.14	- 9.66
	LYMPH# (10 ⁹ /L)	1.05	0.63	- 1.47	2.01	1.61	- 2.41	3.80	3.04	- 4.56
	MONO# (10 ⁹ /L)	0.31	0.06	- 0.56	0.72	0.29	- 1.16	1.84	1.11	- 2.58
	EO# (10 ⁹ /L)	0.29	0.20	- 0.37	0.73	0.51	- 0.95	1.84	1.38	- 2.30
	BASO# (10 ⁹ /L)	1.89	1.32	- 2.46	4.62	3.24	- 6.01	11.88	8.91	- 14.84
	NRBC# (10 ⁹ /L)	2.96	2.66	- 3.26	6.77	6.37	- 7.18	16.34	15.36	- 17.33
	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)	56	28	- 84	212	180	- 243	498	423	- 573
	RET# (10 ¹² /L)	0.1391	0.0974	- 0.1808	0.1180	0.0826	- 0.1534	0.0533	0.0373	- 0.0693
	RET%	6.02	4.21	- 7.83	2.73	1.91	- 3.55	1.02	0.71	- 1.33
	IRF (%)	23.2	3.2	- 43.2	20.7	0.7	- 40.7	14.8	0.0	- 34.8
	^a IG #	0.32	0.29	- 0.35	0.80	0.60	- 1.00	2.01	1.41	- 2.61
	^a IG %	10.44	7.31	- 13.57	11.29	8.47	- 14.11	12.39	7.43	- 17.35
	^b HPC #	0.015	0.013	- 0.017	0.038	0.034	- 0.042	0.097	0.087	- 0.107
^c RET-HE (pg)	22.6	15.8	- 29.4	23.1	17.3	- 28.9	23.9	14.3	- 33.5	
^d IPF (%)	21.5	18.3	- 24.7	21.3	18.1	- 24.5	21.4	18.2	- 24.6	

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