



**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:		82880801		82880802		82880803			
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	4.32	4.19 - 4.45	5.23	5.07 - 5.39		
	HGB (g/dL)	5.9	5.7 - 6.1	12.4	12.0 - 12.8	16.4	15.9 - 16.9		
	HCT (%)	17.9	17.0 - 18.8	36.4	34.8 - 38.0	46.5	44.4 - 48.6		
	MCV (fL)	78.8	72.0 - 86.2	84.2	78.1 - 90.8	88.8	82.4 - 95.8		
	MCH (pg)	26.1	24.0 - 28.2	28.8	27.0 - 30.5	31.3	29.5 - 33.3		
	MCHC (g/dL)	33.2	30.1 - 36.1	34.2	31.6 - 36.7	35.2	32.7 - 38.0		
	PLT (10 ⁹ /L)	54	32 - 76	214	190 - 238	506	460 - 552		
	RDW-SD (fL)	43.9	39.5 - 48.3	44.9	40.4 - 49.4	45.1	40.6 - 49.6		
	RDW-CV (%)	15.2	13.7 - 16.7	14.7	13.2 - 16.2	14.1	12.7 - 15.5		
	MPV (fL)	9.0	8.3 - 9.7	9.3	8.7 - 9.9	9.5	8.9 - 10.1		
	WBC (10 ⁹ /L)	3.01	2.71 - 3.31	6.93	6.51 - 7.35	15.73	14.79 - 16.67		
	NEUT%	44.8	35.8 - 53.8	50.9	43.3 - 58.5	55.5	47.2 - 63.8		
	LYMPH%	35.5	21.3 - 49.7	27.2	21.8 - 32.6	20.8	16.6 - 25.0		
	MONO%	10.0	2.0 - 18.0	11.1	6.7 - 15.5	11.7	8.2 - 15.2		
	EO%	9.8	6.9 - 12.7	10.8	7.6 - 14.0	12.1	9.1 - 15.1		
	BASO%	64.7	45.3 - 84.1	72.6	50.8 - 94.4	80.0	60.0 - 100.0		
	NEUT# (10 ⁹ /L)	1.35	1.08 - 1.62	3.53	3.00 - 4.06	8.72	7.41 - 10.03		
	LYMPH# (10 ⁹ /L)	1.07	0.64 - 1.50	1.89	1.51 - 2.27	3.27	2.62 - 3.92		
	MONO# (10 ⁹ /L)	0.30	0.06 - 0.54	0.77	0.31 - 1.23	1.84	1.10 - 2.58		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.75	0.53 - 0.98	1.90	1.43 - 2.38		
	BASO# (10 ⁹ /L)	1.94	1.36 - 2.52	5.04	3.53 - 6.55	12.59	9.44 - 15.74		
	NRBC# (10 ⁹ /L)	2.93	2.64 - 3.22	6.87	6.46 - 7.28	16.41	15.43 - 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)	61	34 - 88	221	188 - 254	526	447 - 605		
	RET# (10 ¹² /L)	0.1569	0.1098 - 0.2040	0.1297	0.0908 - 0.1686	0.0553	0.0387 - 0.0719		
	RET%	6.92	4.84 - 9.00	3.00	2.10 - 3.90	1.06	0.74 - 1.38		
	IRF (%)	21.0	1.0 - 41.0	19.5	0.0 - 39.5	16.0	0.0 - 36.0		
	^a IG #	0.32	0.29 - 0.35	0.82	0.62 - 1.03	2.04	1.43 - 2.65		
^a IG %	10.69	7.48 - 13.90	11.89	8.92 - 14.86	13.00	7.80 - 18.20			
^b HPC #	0.014	0.012 - 0.016	0.038	0.034 - 0.042	0.096	0.086 - 0.106			
^c RET-HE (pg)	24.2	16.9 - 31.5	24.6	18.5 - 30.8	25.5	15.3 - 35.7			
^d IPF (%)	21.5	18.3 - 24.7	21.5	18.3 - 24.7	21.9	18.6 - 25.2			

^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:		82880801		82880802		82880803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
C L O S E D	RBC (10 ¹² /L)	2.27	2.13 - 2.41	4.32	4.10 - 4.54	5.23	4.97 - 5.49		
	HGB (g/dL)	5.9	5.5 - 6.3	12.4	11.8 - 13.0	16.4	15.6 - 17.2		
	HCT (%)	17.9	16.6 - 19.2	36.4	34.2 - 38.6	46.5	43.7 - 49.3		
	MCV (fL)	78.8	69.2 - 89.8	84.2	75.4 - 94.0	88.8	79.6 - 99.2		
	MCH (pg)	26.1	23.0 - 29.3	28.8	26.0 - 31.7	31.3	28.4 - 34.7		
	MCHC (g/dL)	33.2	29.0 - 37.6	34.2	30.5 - 38.1	35.2	31.6 - 39.4		
	PLT (10 ⁹ /L)	53	26 - 79	205	175 - 236	471	400 - 541		
	RDW-SD (fL)	43.9	39.5 - 48.3	44.9	40.4 - 49.4	45.1	40.6 - 49.6		
	RDW-CV (%)	15.2	13.7 - 16.7	14.7	13.2 - 16.2	14.1	12.7 - 15.5		
	MPV (fL)	9.0	8.3 - 9.7	9.3	8.7 - 9.9	9.5	8.9 - 10.1		
	WBC (10 ⁹ /L)	2.92	2.48 - 3.36	6.58	5.99 - 7.18	15.42	14.18 - 16.65		
	NEUT%	44.7	35.8 - 53.7	51.1	43.4 - 58.7	54.9	46.7 - 63.1		
	LYMPH%	35.5	21.3 - 49.8	27.0	21.6 - 32.4	21.2	17.0 - 25.5		
	MONO%	10.3	2.1 - 18.5	11.0	6.6 - 15.4	11.6	8.1 - 15.1		
	EO%	9.4	6.6 - 12.3	10.9	7.7 - 14.2	12.3	9.2 - 15.4		
	BASO%	65.1	45.6 - 84.7	71.2	49.8 - 92.6	78.4	58.8 - 98.0		
	NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.36	2.86 - 3.87	8.46	7.19 - 9.73		
	LYMPH# (10 ⁹ /L)	1.04	0.62 - 1.45	1.78	1.42 - 2.13	3.27	2.62 - 3.92		
	MONO# (10 ⁹ /L)	0.30	0.06 - 0.54	0.72	0.29 - 1.16	1.78	1.07 - 2.50		
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.72	0.50 - 0.94	1.90	1.43 - 2.38		
	BASO# (10 ⁹ /L)	1.90	1.33 - 2.47	4.69	3.28 - 6.09	12.09	9.06 - 15.11		
	NRBC# (10 ⁹ /L)	2.90	2.61 - 3.19	6.73	6.33 - 7.14	16.25	15.27 - 17.22		
	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)	58	29 - 87	217	184 - 249	515	438 - 593		
	RET# (10 ¹² /L)	0.1569	0.1098 - 0.2040	0.1297	0.0908 - 0.1686	0.0553	0.0387 - 0.0719		
	RET%	6.92	4.84 - 9.00	3.00	2.10 - 3.90	1.06	0.74 - 1.38		
	IRF (%)	21.0	1.0 - 41.0	19.5	0.0 - 39.5	16.0	0.0 - 36.0		
	^a IG #	0.32	0.29 - 0.35	0.82	0.62 - 1.03	2.04	1.43 - 2.65		
	^a IG %	10.69	7.48 - 13.90	11.89	8.92 - 14.86	13.00	7.80 - 18.20		
	^b HPC #	0.014	0.012 - 0.016	0.038	0.034 - 0.042	0.096	0.086 - 0.106		
^c RET-HE (pg)	24.2	16.9 - 31.5	24.6	18.5 - 30.8	25.5	15.3 - 35.7			
^d IPF (%)	21.5	18.3 - 24.7	21.5	18.3 - 24.7	21.9	18.6 - 25.2			

^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