



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

Expiration Date: 2010-05-24		Quality Control Data Due Date #1: 12-Apr-10			Quality Control Data Due Date #2: 24-May-10				
Lot Number:		00620801		00620802		00620803			
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)	2.29	2.20 - 2.38	4.31	4.18 - 4.44	5.21	5.05 - 5.37		
	HGB (g/dL)	5.8	5.6 - 6.0	12.0	11.6 - 12.4	15.9	15.4 - 16.4		
	HCT (%)	17.7	16.8 - 18.6	35.2	33.6 - 36.8	45.3	43.3 - 47.3		
	MCV (fL)	77.1	70.6 - 84.5	81.6	75.7 - 88.0	87.0	80.6 - 93.7		
	MCH (pg)	25.4	23.4 - 27.4	27.9	26.2 - 29.6	30.5	28.7 - 32.4		
	MCHC (g/dL)	33.3	30.0 - 35.9	34.6	31.6 - 36.8	35.4	32.6 - 37.9		
	PLT (10 ⁹ /L)	52	31 - 73	212	189 - 235	496	451 - 541		
	RDW-SD (fL)	46.0	41.4 - 50.6	44.7	40.2 - 49.2	44.4	40.0 - 48.8		
	RDW-CV (%)	16.6	14.9 - 18.3	15.4	13.9 - 16.9	14.5	13.1 - 16.0		
	MPV (fL)	9.0	8.3 - 9.7	9.3	8.7 - 9.9	9.4	8.8 - 10.0		
	WBC (10 ⁹ /L)	3.03	2.73 - 3.33	6.77	6.36 - 7.18	16.52	15.53 - 17.51		
	NEUT%	44.8	35.8 - 53.8	49.3	41.9 - 56.7	53.4	45.4 - 61.4		
	LYMPH%	33.3	20.0 - 46.6	27.8	22.2 - 33.4	22.9	18.3 - 27.5		
	MONO%	12.2	2.4 - 22.0	11.8	7.1 - 16.5	11.6	8.1 - 15.1		
	EO%	9.7	6.8 - 12.6	11.1	7.8 - 14.4	12.1	9.1 - 15.1		
	BASO%	64.4	45.1 - 83.7	72.2	50.5 - 93.9	76.8	57.6 - 96.0		
	NEUT# (10 ⁹ /L)	1.36	1.09 - 1.63	3.34	2.84 - 3.84	8.82	7.50 - 10.14		
	LYMPH# (10 ⁹ /L)	1.01	0.61 - 1.41	1.88	1.50 - 2.26	3.79	3.03 - 4.55		
	MONO# (10 ⁹ /L)	0.37	0.07 - 0.67	0.80	0.32 - 1.28	1.92	1.15 - 2.69		
	EO# (10 ⁹ /L)	0.30	0.21 - 0.39	0.75	0.53 - 0.98	1.99	1.49 - 2.49		
	BASO# (10 ⁹ /L)	1.95	1.37 - 2.54	4.89	3.42 - 6.36	12.69	9.52 - 15.86		
	NRBC# (10 ⁹ /L)	2.95	2.66 - 3.25	6.56	6.17 - 6.95	17.23	16.20 - 18.26		
	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	212	180 - 244	497	422 - 572		
	RET# (10 ¹² /L)	0.1552	0.1086 - 0.2018	0.1204	0.0843 - 0.1565	0.0649	0.0454 - 0.0844		
	RET%	6.77	4.74 - 8.80	2.80	1.96 - 3.64	1.25	0.88 - 1.63		
	IRF (%)	25.9	5.9 - 45.9	22.4	2.4 - 42.4	18.8	0.0 - 38.8		
	^a IG #	0.32	0.29 - 0.35	0.78	0.59 - 0.98	2.08	1.46 - 2.70		
^a IG %	10.59	7.41 - 13.77	11.58	8.69 - 14.48	12.59	7.55 - 17.63			
^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.097	0.087 - 0.107			
^c RET-HE (pg)	24.6	17.2 - 32.0	24.9	18.7 - 31.1	25.7	15.4 - 36.0			
^d IPF (%)	22.3	19.0 - 25.6	21.7	18.4 - 25.0	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**

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Lot Number:	00620801	00620802	00620803
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Control:	L1:Level 1	L2:Level 2	L3:Level 3
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PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
C L O S E D	RBC (10 ¹² /L)	2.29	2.15 - 2.43	4.31	4.09 - 4.53	5.21	4.95 - 5.47
	HGB (g/dL)	5.8	5.5 - 6.1	12.0	11.4 - 12.6	15.9	15.1 - 16.7
	HCT (%)	17.7	16.5 - 18.9	35.2	33.1 - 37.3	45.3	42.6 - 48.0
	MCV (fL)	77.1	67.8 - 88.0	81.6	73.1 - 91.1	87.0	77.8 - 97.0
	MCH (pg)	25.4	22.5 - 28.6	27.9	25.2 - 30.8	30.5	27.6 - 33.7
	MCHC (g/dL)	33.3	28.8 - 37.3	34.6	30.6 - 38.1	35.4	31.5 - 39.2
	PLT (10 ⁹ /L)	51	25 - 76	204	173 - 234	461	392 - 530
	RDW-SD (fL)	46.0	41.4 - 50.6	44.7	40.2 - 49.2	44.4	40.0 - 48.8
	RDW-CV (%)	16.6	14.9 - 18.3	15.4	13.9 - 16.9	14.5	13.1 - 16.0
	MPV (fL)	9.0	8.3 - 9.7	9.3	8.7 - 9.9	9.4	8.8 - 10.0
	WBC (10 ⁹ /L)	2.94	2.50 - 3.38	6.43	5.85 - 7.01	16.19	14.89 - 17.48
	NEUT%	44.4	35.5 - 53.3	49.6	42.2 - 57.1	52.8	44.9 - 60.7
	LYMPH%	33.3	20.0 - 46.7	27.5	22.0 - 33.0	23.4	18.7 - 28.1
	MONO%	12.6	2.5 - 22.7	11.7	7.0 - 16.4	11.5	8.1 - 15.0
	EO%	9.7	6.8 - 12.6	11.2	7.8 - 14.6	12.3	9.2 - 15.4
	BASO%	65.0	45.5 - 84.5	70.7	49.5 - 91.9	75.2	56.4 - 94.1
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.57	3.19	2.71 - 3.67	8.55	7.27 - 9.83
	LYMPH# (10 ⁹ /L)	0.98	0.59 - 1.37	1.77	1.41 - 2.12	3.79	3.03 - 4.55
	MONO# (10 ⁹ /L)	0.37	0.07 - 0.67	0.75	0.30 - 1.20	1.86	1.12 - 2.61
	EO# (10 ⁹ /L)	0.29	0.20 - 0.37	0.72	0.50 - 0.94	1.99	1.49 - 2.49
	BASO# (10 ⁹ /L)	1.91	1.34 - 2.48	4.55	3.18 - 5.91	12.18	9.14 - 15.23
	NRBC# (10 ⁹ /L)	2.92	2.63 - 3.21	6.43	6.04 - 6.81	17.06	16.03 - 18.08
	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	208	177 - 239	487	414 - 560
	RET# (10 ¹² /L)	0.1552	0.1086 - 0.2018	0.1204	0.0843 - 0.1565	0.0649	0.0454 - 0.0844
	RET%	6.77	4.74 - 8.80	2.80	1.96 - 3.64	1.25	0.88 - 1.63
	IRF (%)	25.9	5.9 - 45.9	22.4	2.4 - 42.4	18.8	0.0 - 38.8
	^a IG #	0.32	0.29 - 0.35	0.78	0.59 - 0.98	2.08	1.46 - 2.70
	^a IG %	10.59	7.41 - 13.77	11.58	8.69 - 14.48	12.59	7.55 - 17.63
	^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.097	0.087 - 0.107
^c RET-HE (pg)	24.6	17.2 - 32.0	24.9	18.7 - 31.1	25.7	15.4 - 36.0	
^d IPF (%)	22.3	19.0 - 25.6	21.7	18.4 - 25.0	21.4	18.2 - 24.6	

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