



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

Expiration Date: 2010-03-29		Quality Control Data Due Date #1: 15-Feb-10			Quality Control Data Due Date #2: 29-Mar-10				
Lot Number:		00060801		00060802		00060803			
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)	2.24	2.15 - 2.33	4.29	4.16 - 4.42	5.24	5.08 - 5.40		
	HGB (g/dL)	5.6	5.4 - 5.8	12.3	11.9 - 12.7	16.0	15.5 - 16.5		
	HCT (%)	16.8	16.0 - 17.6	35.5	33.9 - 37.1	45.0	43.0 - 47.0		
	MCV (fL)	75.1	68.5 - 82.0	82.7	76.7 - 89.1	85.9	79.6 - 92.5		
	MCH (pg)	25.0	23.1 - 27.1	28.7	27.0 - 30.4	30.6	28.8 - 32.4		
	MCHC (g/dL)	33.3	30.5 - 36.5	34.7	32.2 - 37.4	35.6	33.0 - 38.3		
	PLT (10 ⁹ /L)	53	32 - 74	212	189 - 235	502	457 - 547		
	RDW-SD (fL)	45.2	40.7 - 49.7	44.8	40.3 - 49.3	44.5	40.1 - 49.0		
	RDW-CV (%)	16.5	14.9 - 18.2	15.0	13.5 - 16.5	14.5	13.1 - 16.0		
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.7	9.1 - 10.3		
	WBC (10 ⁹ /L)	2.98	2.68 - 3.28	6.95	6.53 - 7.37	16.17	15.20 - 17.14		
	NEUT%	43.9	35.1 - 52.7	48.8	41.5 - 56.1	52.8	44.9 - 60.7		
	LYMPH%	33.8	20.3 - 47.3	29.3	23.4 - 35.2	23.9	19.1 - 28.7		
	MONO%	12.8	2.6 - 23.0	11.5	6.9 - 16.1	11.9	8.3 - 15.5		
	EO%	9.5	6.7 - 12.4	10.4	7.3 - 13.5	11.4	8.6 - 14.3		
	BASO%	63.6	44.5 - 82.7	69.4	48.6 - 90.2	75.9	56.9 - 94.9		
	NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.39	2.88 - 3.90	8.55	7.27 - 9.83		
	LYMPH# (10 ⁹ /L)	1.01	0.61 - 1.41	2.04	1.63 - 2.45	3.87	3.10 - 4.64		
	MONO# (10 ⁹ /L)	0.38	0.08 - 0.68	0.80	0.32 - 1.28	1.92	1.15 - 2.69		
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.72	0.50 - 0.94	1.84	1.38 - 2.30		
	BASO# (10 ⁹ /L)	1.90	1.33 - 2.47	4.83	3.38 - 6.28	12.28	9.21 - 15.35		
	NRBC# (10 ⁹ /L)	2.85	2.57 - 3.14	6.63	6.23 - 7.03	16.59	15.59 - 17.59		
	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	217	184 - 250	507	431 - 583		
	RET# (10 ¹² /L)	0.1574	0.1102 - 0.2046	0.1400	0.0980 - 0.1820	0.0687	0.0481 - 0.0893		
	RET%	7.04	4.93 - 9.15	3.26	2.28 - 4.24	1.31	0.92 - 1.70		
	IRF (%)	33.6	13.6 - 53.6	29.0	9.0 - 49.0	23.2	3.2 - 43.2		
	^a IG #	0.31	0.28 - 0.34	0.80	0.60 - 1.00	2.03	1.42 - 2.64		
^a IG %	10.30	7.21 - 13.39	11.56	8.67 - 14.45	12.53	7.52 - 17.54			
^b HPC #	0.013	0.011 - 0.015	0.034	0.031 - 0.037	0.092	0.083 - 0.101			
^c RET-HE (pg)	24.1	16.9 - 31.3	24.7	18.5 - 30.9	25.4	15.2 - 35.6			
^d IPF (%)	21.6	18.4 - 24.8	21.7	18.4 - 25.0	20.8	17.7 - 23.9			

^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:	00060801	00060802	00060803
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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)	2.24	2.11 - 2.37	4.29	4.08 - 4.50	5.24	4.98 - 5.50
	HGB (g/dL)	5.6	5.3 - 5.9	12.3	11.7 - 12.9	16.0	15.2 - 16.8
	HCT (%)	16.8	15.6 - 18.0	35.5	33.4 - 37.6	45.0	42.3 - 47.7
	MCV (fL)	75.1	65.8 - 85.4	82.7	74.1 - 92.3	85.9	76.9 - 95.8
	MCH (pg)	25.0	22.2 - 28.2	28.7	25.9 - 31.7	30.6	27.6 - 33.7
	MCHC (g/dL)	33.3	29.3 - 38.0	34.7	31.1 - 38.7	35.6	31.9 - 39.7
	PLT (10 ⁹ /L)	52	26 - 78	204	173 - 234	467	397 - 537
	RDW-SD (fL)	45.2	40.7 - 49.7	44.8	40.3 - 49.3	44.5	40.1 - 49.0
	RDW-CV (%)	16.5	14.9 - 18.2	15.0	13.5 - 16.5	14.5	13.1 - 16.0
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	2.89	2.46 - 3.32	6.60	6.01 - 7.20	15.85	14.58 - 17.11
	NEUT%	43.8	35.0 - 52.5	49.1	41.7 - 56.5	52.2	44.4 - 60.0
	LYMPH%	33.9	20.3 - 47.4	29.0	23.2 - 34.9	24.4	19.5 - 29.3
	MONO%	13.1	2.6 - 23.7	11.4	6.8 - 15.9	11.8	8.2 - 15.3
	EO%	9.2	6.4 - 12.0	10.5	7.3 - 13.6	11.6	8.7 - 14.5
	BASO%	64.4	45.1 - 83.7	68.0	47.6 - 88.4	74.4	55.8 - 93.0
	NEUT# (10 ⁹ /L)	1.26	1.01 - 1.52	3.24	2.76 - 3.73	8.27	7.03 - 9.52
	LYMPH# (10 ⁹ /L)	0.98	0.59 - 1.37	1.92	1.53 - 2.30	3.87	3.10 - 4.64
	MONO# (10 ⁹ /L)	0.38	0.08 - 0.68	0.75	0.30 - 1.20	1.86	1.12 - 2.61
	EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.69	0.48 - 0.90	1.84	1.38 - 2.30
	BASO# (10 ⁹ /L)	1.86	1.30 - 2.42	4.49	3.14 - 5.84	11.79	8.84 - 14.74
	NRBC# (10 ⁹ /L)	2.82	2.54 - 3.10	6.50	6.11 - 6.89	16.42	15.44 - 17.41
	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	213	181 - 245	497	422 - 571
	RET# (10 ¹² /L)	0.1574	0.1102 - 0.2046	0.1400	0.0980 - 0.1820	0.0687	0.0481 - 0.0893
	RET%	7.04	4.93 - 9.15	3.26	2.28 - 4.24	1.31	0.92 - 1.70
	IRF (%)	33.6	13.6 - 53.6	29.0	9.0 - 49.0	23.2	3.2 - 43.2
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^c RET-HE (pg)	24.1	16.9 - 31.3	24.7	18.5 - 30.9	25.4	15.2 - 35.6	
^d IPF (%)	21.6	18.4 - 24.8	21.7	18.4 - 25.0	20.8	17.7 - 23.9	

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