



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

Expiration Date: 2011-10-10		Quality Control Data Due Date #1: 29-Aug-11			Quality Control Data Due Date #2: 10-Oct-11				
Lot Number:		12030801		12030802		12030803			
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	4.29	4.16 - 4.42	5.22	5.06 - 5.38		
	HGB (g/dL)	5.7	5.5 - 5.9	12.3	11.9 - 12.7	16.2	15.7 - 16.7		
	HCT (%)	17.4	16.5 - 18.3	35.9	34.3 - 37.5	46.1	44.0 - 48.2		
	MCV (fL)	76.8	70.0 - 83.8	83.7	77.6 - 90.2	88.3	81.9 - 95.1		
	MCH (pg)	25.3	23.2 - 27.2	28.7	27.0 - 30.4	31.0	29.2 - 33.0		
	MCHC (g/dL)	32.9	30.0 - 35.9	34.3	31.8 - 37.0	35.1	32.6 - 37.9		
	PLT (10 ⁹ /L)	54	32 - 76	212	189 - 235	507	461 - 553		
	RDW-SD (fL)	44.6	40.1 - 49.1	42.5	38.3 - 46.8	44.5	40.1 - 49.0		
	RDW-CV (%)	15.9	14.3 - 17.5	14.0	12.6 - 15.4	13.9	12.5 - 15.3		
	MPV (fL)	8.8	8.1 - 9.5	9.7	9.1 - 10.3	9.9	9.3 - 10.5		
	WBC (10 ⁹ /L)	3.01	2.71 - 3.31	7.18	6.75 - 7.61	16.86	15.85 - 17.87		
	NEUT%	43.6	34.9 - 52.3	47.9	40.7 - 55.1	51.9	44.1 - 59.7		
	LYMPH%	35.3	21.2 - 49.4	29.9	23.9 - 35.9	25.1	20.1 - 30.1		
	MONO%	11.9	2.4 - 21.4	12.0	7.2 - 16.8	12.0	8.4 - 15.6		
	EO%	9.3	6.5 - 12.1	10.3	7.2 - 13.4	11.0	8.3 - 13.8		
	BASO%	62.6	43.8 - 81.4	69.0	48.3 - 89.7	74.2	55.7 - 92.8		
	NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.44	2.92 - 3.96	8.75	7.44 - 10.06		
	LYMPH# (10 ⁹ /L)	1.06	0.64 - 1.48	2.15	1.72 - 2.58	4.23	3.38 - 5.08		
	MONO# (10 ⁹ /L)	0.36	0.07 - 0.65	0.86	0.34 - 1.38	2.03	1.22 - 2.84		
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.74	0.52 - 0.96	1.86	1.40 - 2.33		
	BASO# (10 ⁹ /L)	1.88	1.32 - 2.44	4.96	3.47 - 6.45	12.51	9.38 - 15.64		
	NRBC# (10 ⁹ /L)	2.98	2.68 - 3.28	7.11	6.68 - 7.54	17.63	16.57 - 18.69		
	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	31 - 81	208	177 - 239	491	417 - 565		
	RET# (10 ¹² /L)	0.1340	0.0938 - 0.1742	0.1044	0.0731 - 0.1357	0.0509	0.0356 - 0.0662		
	RET%	5.90	4.13 - 7.67	2.44	1.71 - 3.17	0.97	0.68 - 1.26		
	IRF (%)	23.2	3.2 - 43.2	20.1	0.1 - 40.1	16.4	0.0 - 36.4		
	^a IG #	0.31	0.28 - 0.34	0.80	0.60 - 1.00	2.04	1.43 - 2.65		
^a IG %	10.27	7.19 - 13.35	11.07	8.30 - 13.84	12.13	7.28 - 16.98			
^b HPC #	0.014	0.012 - 0.016	0.036	0.032 - 0.040	0.097	0.087 - 0.107			
^c RET-HE (pg)	24.4	17.1 - 31.7	24.8	18.6 - 31.0	25.4	15.2 - 35.6			
^d IPF (%)	21.9	18.6 - 25.2	21.6	18.4 - 24.8	22.1	18.8 - 25.4			

^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:		12030801		12030802		12030803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
C L O S E D	PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
	RBC (10 ¹² /L)	2.27	2.13 - 2.41	4.29	4.08 - 4.50	5.22	4.96 - 5.48
	HGB (g/dL)	5.7	5.4 - 6.0	12.3	11.7 - 12.9	16.2	15.4 - 17.0
	HCT (%)	17.4	16.2 - 18.6	35.9	33.7 - 38.1	46.1	43.3 - 48.9
	MCV (fL)	76.8	67.3 - 87.3	83.7	74.9 - 93.4	88.3	79.1 - 98.5
	MCH (pg)	25.3	22.3 - 28.3	28.7	25.9 - 31.7	31.0	28.1 - 34.3
	MCHC (g/dL)	32.9	28.8 - 37.3	34.3	30.7 - 38.3	35.1	31.5 - 39.3
	PLT (10 ⁹ /L)	53	27 - 80	204	173 - 234	472	401 - 542
	RDW-SD (fL)	44.6	40.1 - 49.1	42.5	38.3 - 46.8	44.5	40.1 - 49.0
	RDW-CV (%)	15.9	14.3 - 17.5	14.0	12.6 - 15.4	13.9	12.5 - 15.3
	MPV (fL)	8.8	8.1 - 9.5	9.7	9.1 - 10.3	9.9	9.3 - 10.5
	WBC (10 ⁹ /L)	2.92	2.48 - 3.36	6.82	6.21 - 7.43	16.52	15.20 - 17.84
	NEUT%	43.2	34.6 - 51.8	48.1	40.9 - 55.3	51.2	43.5 - 58.9
	LYMPH%	35.3	21.2 - 49.4	29.6	23.7 - 35.5	25.6	20.5 - 30.7
	MONO%	12.3	2.5 - 22.1	11.9	7.1 - 16.7	11.9	8.3 - 15.5
	EO%	9.2	6.4 - 12.0	10.4	7.3 - 13.5	11.3	8.5 - 14.1
	BASO%	63.0	44.1 - 81.9	67.6	47.3 - 87.9	72.7	54.5 - 90.9
	NEUT# (10 ⁹ /L)	1.26	1.01 - 1.51	3.28	2.79 - 3.77	8.46	7.19 - 9.73
	LYMPH# (10 ⁹ /L)	1.03	0.62 - 1.44	2.02	1.62 - 2.42	4.23	3.38 - 5.08
	MONO# (10 ⁹ /L)	0.36	0.07 - 0.65	0.81	0.32 - 1.30	1.97	1.18 - 2.76
	EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.71	0.50 - 0.92	1.86	1.40 - 2.33
	BASO# (10 ⁹ /L)	1.84	1.29 - 2.39	4.61	3.23 - 5.99	12.01	9.01 - 15.01
	NRBC# (10 ⁹ /L)	2.95	2.66 - 3.25	6.97	6.55 - 7.39	17.45	16.41 - 18.50
	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)	53	27 - 80	204	173 - 234	481	409 - 553
	RET# (10 ¹² /L)	0.1340	0.0938 - 0.1742	0.1044	0.0731 - 0.1357	0.0509	0.0356 - 0.0662
	RET%	5.90	4.13 - 7.67	2.44	1.71 - 3.17	0.97	0.68 - 1.26
	IRF (%)	23.2	3.2 - 43.2	20.1	0.1 - 40.1	16.4	0.0 - 36.4
	^a IG #	0.31	0.28 - 0.34	0.80	0.60 - 1.00	2.04	1.43 - 2.65
	^a IG %	10.27	7.19 - 13.35	11.07	8.30 - 13.84	12.13	7.28 - 16.98
	^b HPC #	0.014	0.012 - 0.016	0.036	0.032 - 0.040	0.097	0.087 - 0.107
	^c RET-HE (pg)	24.4	17.1 - 31.7	24.8	18.6 - 31.0	25.4	15.2 - 35.6
	^d IPF (%)	21.9	18.6 - 25.2	21.6	18.4 - 24.8	22.1	18.8 - 25.4

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