



**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:		12000801		12000802		12000803			
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	4.30	4.17 - 4.43	5.21	5.05 - 5.37		
	HGB (g/dL)	5.7	5.5 - 5.9	12.2	11.8 - 12.6	16.2	15.7 - 16.7		
	HCT (%)	17.3	16.4 - 18.2	35.5	33.9 - 37.1	46.2	44.1 - 48.3		
	MCV (fL)	77.4	70.5 - 84.5	82.5	76.5 - 88.9	88.7	82.2 - 95.5		
	MCH (pg)	25.6	23.5 - 27.6	28.4	26.7 - 30.1	31.1	29.3 - 33.0		
	MCHC (g/dL)	33.0	30.1 - 36.1	34.4	31.9 - 37.1	35.1	32.5 - 37.8		
	PLT (10 ⁹ /L)	53	32 - 74	205	182 - 228	501	456 - 546		
	RDW-SD (fL)	43.4	39.1 - 47.7	43.3	39.0 - 47.6	43.4	39.1 - 47.7		
	RDW-CV (%)	15.2	13.7 - 16.7	14.4	13.0 - 15.8	13.5	12.2 - 14.9		
	MPV (fL)	8.8	8.1 - 9.5	9.1	8.6 - 9.6	9.3	8.7 - 9.9		
	WBC (10 ⁹ /L)	3.00	2.70 - 3.30	7.11	6.68 - 7.54	16.68	15.68 - 17.68		
	NEUT%	43.5	34.8 - 52.2	47.7	40.5 - 54.9	53.3	45.3 - 61.3		
	LYMPH%	35.4	21.2 - 49.6	30.1	24.1 - 36.1	24.3	19.4 - 29.2		
	MONO%	11.9	2.4 - 21.4	11.8	7.1 - 16.5	10.6	7.4 - 13.8		
	EO%	9.2	6.4 - 12.0	10.5	7.4 - 13.7	11.8	8.9 - 14.8		
	BASO%	63.7	44.6 - 82.8	69.2	48.4 - 90.0	75.0	56.3 - 93.8		
	NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.39	2.88 - 3.90	8.90	7.57 - 10.24		
	LYMPH# (10 ⁹ /L)	1.06	0.64 - 1.48	2.14	1.71 - 2.57	4.06	3.25 - 4.87		
	MONO# (10 ⁹ /L)	0.36	0.07 - 0.65	0.84	0.34 - 1.34	1.76	1.06 - 2.46		
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.75	0.53 - 0.98	1.96	1.47 - 2.45		
	BASO# (10 ⁹ /L)	1.91	1.34 - 2.48	4.92	3.44 - 6.40	12.52	9.39 - 15.65		
	NRBC# (10 ⁹ /L)	2.96	2.66 - 3.26	6.92	6.50 - 7.34	17.49	16.44 - 18.54		
	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)	57	31 - 83	201	171 - 231	493	419 - 567		
	RET# (10 ¹² /L)	0.1325	0.0928 - 0.1723	0.1091	0.0764 - 0.1418	0.0562	0.0393 - 0.0731		
	RET%	5.92	4.14 - 7.70	2.53	1.77 - 3.29	1.08	0.76 - 1.40		
	IRF (%)	28.7	8.7 - 48.7	24.6	4.6 - 44.6	21.4	1.4 - 41.4		
	^a IG #	0.31	0.28 - 0.34	0.79	0.59 - 0.99	2.08	1.46 - 2.70		
	^a IG %	10.33	7.23 - 13.43	11.16	8.37 - 13.95	12.46	7.48 - 17.44		
	^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.097	0.087 - 0.107		
^c RET-HE (pg)	24.0	16.8 - 31.2	24.4	18.3 - 30.5	25.5	15.3 - 35.7			
^d IPF (%)	21.7	18.4 - 25.0	22.4	19.0 - 25.8	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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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)	2.24	2.11 - 2.37	4.30	4.09 - 4.52	5.21	4.95 - 5.47
	HGB (g/dL)	5.7	5.4 - 6.0	12.2	11.6 - 12.8	16.2	15.4 - 17.0
	HCT (%)	17.3	16.1 - 18.5	35.5	33.4 - 37.6	46.2	43.4 - 49.0
	MCV (fL)	77.4	67.8 - 87.9	82.5	73.9 - 92.1	88.7	79.4 - 98.9
	MCH (pg)	25.6	22.6 - 28.7	28.4	25.7 - 31.4	31.1	28.1 - 34.4
	MCHC (g/dL)	33.0	28.9 - 37.6	34.4	30.8 - 38.4	35.1	31.4 - 39.2
	PLT (10 ⁹ /L)	52	26 - 78	197	167 - 226	466	396 - 536
	RDW-SD (fL)	43.4	39.1 - 47.7	43.3	39.0 - 47.6	43.4	39.1 - 47.7
	RDW-CV (%)	15.2	13.7 - 16.7	14.4	13.0 - 15.8	13.5	12.2 - 14.9
	MPV (fL)	8.8	8.1 - 9.5	9.1	8.6 - 9.6	9.3	8.7 - 9.9
	WBC (10 ⁹ /L)	2.91	2.47 - 3.35	6.75	6.15 - 7.36	16.35	15.04 - 17.65
	NEUT%	43.2	34.5 - 51.8	47.9	40.7 - 55.0	52.7	44.8 - 60.6
	LYMPH%	35.3	21.2 - 49.5	29.8	23.8 - 35.7	24.8	19.9 - 29.8
	MONO%	12.4	2.5 - 22.3	11.7	7.0 - 16.4	10.4	7.3 - 13.6
	EO%	9.1	6.4 - 11.9	10.7	7.5 - 13.9	12.0	9.0 - 15.0
	BASO%	64.3	45.0 - 83.6	67.7	47.4 - 88.1	73.5	55.1 - 91.9
	NEUT# (10 ⁹ /L)	1.26	1.00 - 1.51	3.23	2.75 - 3.72	8.62	7.33 - 9.91
	LYMPH# (10 ⁹ /L)	1.03	0.62 - 1.44	2.01	1.61 - 2.41	4.06	3.25 - 4.87
	MONO# (10 ⁹ /L)	0.36	0.07 - 0.65	0.79	0.32 - 1.26	1.71	1.02 - 2.39
	EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.72	0.50 - 0.94	1.96	1.47 - 2.45
	BASO# (10 ⁹ /L)	1.87	1.31 - 2.43	4.58	3.20 - 5.95	12.02	9.01 - 15.02
	NRBC# (10 ⁹ /L)	2.93	2.64 - 3.22	6.78	6.37 - 7.19	17.32	16.28 - 18.35
	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)	54	27 - 81	197	167 - 227	483	411 - 556
	RET# (10 ¹² /L)	0.1325	0.0928 - 0.1723	0.1091	0.0764 - 0.1418	0.0562	0.0393 - 0.0731
	RET%	5.92	4.14 - 7.70	2.53	1.77 - 3.29	1.08	0.76 - 1.40
	IRF (%)	28.7	8.7 - 48.7	24.6	4.6 - 44.6	21.4	1.4 - 41.4
	^a IG #	0.31	0.28 - 0.34	0.79	0.59 - 0.99	2.08	1.46 - 2.70
	^a IG %	10.33	7.23 - 13.43	11.16	8.37 - 13.95	12.46	7.48 - 17.44
	^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.097	0.087 - 0.107
	^c RET-HE (pg)	24.0	16.8 - 31.2	24.4	18.3 - 30.5	25.5	15.3 - 35.7
	^d IPF (%)	21.7	18.4 - 25.0	22.4	19.0 - 25.8	22.1	18.8 - 25.4

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