



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

Expiration Date: 2011-12-05		Quality Control Data Due Date #1: 24-Oct-11			Quality Control Data Due Date #2: 5-Dec-11					
Lot Number:		12570801		12570802		12570803				
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)	2.20	2.11	- 2.29	4.21	4.08	- 4.34	5.18	5.02	- 5.34
	HGB (g/dL)	5.6	5.4	- 5.8	12.3	11.9	- 12.7	16.4	15.9	- 16.9
	HCT (%)	17.1	16.2	- 18.0	35.7	34.1	- 37.3	46.6	44.5	- 48.7
	MCV (fL)	77.8	71.0	- 85.0	84.7	78.6	- 91.4	90.0	83.4	- 96.9
	MCH (pg)	25.7	23.5	- 27.6	29.2	27.5	- 31.0	31.7	29.8	- 33.6
	MCHC (g/dL)	33.0	29.9	- 35.9	34.4	32.0	- 37.2	35.2	32.7	- 38.0
	PLT (10 ⁹ /L)	56	34	- 78	216	192	- 240	519	472	- 566
	RDW-SD (fL)	46.3	41.7	- 50.9	43.2	38.9	- 47.5	43.7	39.3	- 48.1
	RDW-CV (%)	16.2	14.6	- 17.8	14.1	12.7	- 15.5	13.4	12.1	- 14.7
	MPV (fL)	8.7	8.0	- 9.4	9.1	8.6	- 9.6	9.3	8.7	- 9.9
	WBC (10 ⁹ /L)	3.02	2.72	- 3.32	7.07	6.65	- 7.49	16.77	15.76	- 17.78
	NEUT%	44.3	35.4	- 53.2	48.2	41.0	- 55.4	53.6	45.6	- 61.6
	LYMPH%	36.1	21.7	- 50.5	30.6	24.5	- 36.7	24.5	19.6	- 29.4
	MONO%	10.0	2.0	- 18.0	10.5	6.3	- 14.7	11.0	7.7	- 14.3
	EO%	9.7	6.8	- 12.6	10.7	7.5	- 13.9	11.0	8.3	- 13.8
	BASO%	63.1	44.2	- 82.0	69.1	48.4	- 89.8	75.1	56.3	- 93.9
	NEUT# (10 ⁹ /L)	1.34	1.07	- 1.61	3.41	2.90	- 3.92	8.99	7.64	- 10.34
	LYMPH# (10 ⁹ /L)	1.09	0.65	- 1.53	2.16	1.73	- 2.59	4.10	3.28	- 4.92
	MONO# (10 ⁹ /L)	0.30	0.06	- 0.54	0.74	0.30	- 1.18	1.84	1.10	- 2.58
	EO# (10 ⁹ /L)	0.29	0.20	- 0.38	0.75	0.53	- 0.98	1.84	1.38	- 2.30
	BASO# (10 ⁹ /L)	1.90	1.33	- 2.47	4.89	3.42	- 6.36	12.60	9.45	- 15.75
	NRBC# (10 ⁹ /L)	2.97	2.67	- 3.27	6.96	6.54	- 7.38	17.68	16.62	- 18.74
	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)	63	35	- 91	225	191	- 259	535	455	- 615
	RET# (10 ¹² /L)	0.1059	0.0741	- 0.1377	0.0912	0.0638	- 0.1186	0.0530	0.0371	- 0.0689
	RET%	4.82	3.37	- 6.27	2.17	1.52	- 2.82	1.02	0.71	- 1.33
	IRF (%)	25.9	5.9	- 45.9	21.9	1.9	- 41.9	17.9	0.0	- 37.9
	^a IG #	0.32	0.29	- 0.35	0.82	0.62	- 1.03	2.10	1.47	- 2.73
	^a IG %	10.54	7.38	- 13.70	11.54	8.66	- 14.43	12.51	7.51	- 17.51
	^b HPC #	0.014	0.012	- 0.016	0.036	0.032	- 0.040	0.104	0.094	- 0.114
^c RET-HE (pg)	24.2	16.9	- 31.5	25.0	18.8	- 31.3	26.0	15.6	- 36.4	
^d IPF (%)	21.7	18.4	- 25.0	21.8	18.5	- 25.1	21.1	17.9	- 24.3	

^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: 2011-12-05		Quality Control Data Due Date #1: 24-Oct-11			Quality Control Data Due Date #2: 5-Dec-11				
Lot Number:		12570801		12570802		12570803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
CLOSED	RBC (10 ¹² /L)	2.20	2.07 - 2.33	4.21	4.00 - 4.42	5.18	4.92 - 5.44		
	HGB (g/dL)	5.6	5.3 - 5.9	12.3	11.7 - 12.9	16.4	15.6 - 17.2		
	HCT (%)	17.1	15.9 - 18.3	35.7	33.6 - 37.8	46.6	43.8 - 49.4		
	MCV (fL)	77.8	68.2 - 88.5	84.7	75.9 - 94.6	90.0	80.5 - 100.4		
	MCH (pg)	25.7	22.6 - 28.7	29.2	26.4 - 32.3	31.7	28.6 - 35.0		
	MCHC (g/dL)	33.0	28.8 - 37.3	34.4	30.9 - 38.5	35.2	31.5 - 39.3		
	PLT (10 ⁹ /L)	55	27 - 82	207	176 - 238	483	410 - 555		
	RDW-SD (fL)	46.3	41.7 - 50.9	43.2	38.9 - 47.5	43.7	39.3 - 48.1		
	RDW-CV (%)	16.2	14.6 - 17.8	14.1	12.7 - 15.5	13.4	12.1 - 14.7		
	MPV (fL)	8.7	8.0 - 9.4	9.1	8.6 - 9.6	9.3	8.7 - 9.9		
	WBC (10 ⁹ /L)	2.93	2.49 - 3.37	6.72	6.11 - 7.32	16.43	15.12 - 17.75		
	NEUT%	44.3	35.4 - 53.1	48.7	41.4 - 56.0	53.0	45.0 - 60.9		
	LYMPH%	36.1	21.7 - 50.5	30.2	24.2 - 36.3	24.9	20.0 - 29.9		
	MONO%	10.2	2.0 - 18.4	10.4	6.2 - 14.5	10.9	7.6 - 14.1		
	EO%	9.4	6.6 - 12.2	10.7	7.5 - 13.9	11.2	8.4 - 14.0		
	BASO%	63.6	44.5 - 82.6	67.7	47.4 - 88.0	73.6	55.2 - 92.0		
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.56	3.27	2.78 - 3.76	8.71	7.40 - 10.02		
	LYMPH# (10 ⁹ /L)	1.06	0.63 - 1.48	2.03	1.62 - 2.44	4.10	3.28 - 4.92		
	MONO# (10 ⁹ /L)	0.30	0.06 - 0.54	0.70	0.28 - 1.11	1.78	1.07 - 2.50		
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.72	0.50 - 0.94	1.84	1.38 - 2.30		
	BASO# (10 ⁹ /L)	1.86	1.30 - 2.42	4.55	3.18 - 5.91	12.10	9.07 - 15.12		
	NRBC# (10 ⁹ /L)	2.94	2.65 - 3.23	6.82	6.41 - 7.23	17.50	16.45 - 18.55		
	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)	60	30 - 90	221	187 - 254	524	446 - 603		
	RET# (10 ¹² /L)	0.1059	0.0741 - 0.1377	0.0912	0.0638 - 0.1186	0.0530	0.0371 - 0.0689		
	RET%	4.82	3.37 - 6.27	2.17	1.52 - 2.82	1.02	0.71 - 1.33		
	IRF (%)	25.9	5.9 - 45.9	21.9	1.9 - 41.9	17.9	0.0 - 37.9		
	^a IG #	0.32	0.29 - 0.35	0.82	0.62 - 1.03	2.10	1.47 - 2.73		
	^a IG %	10.54	7.38 - 13.70	11.54	8.66 - 14.43	12.51	7.51 - 17.51		
	^b HPC #	0.014	0.012 - 0.016	0.036	0.032 - 0.040	0.104	0.094 - 0.114		
	^c RET-HE (pg)	24.2	16.9 - 31.5	25.0	18.8 - 31.3	26.0	15.6 - 36.4		
	^d IPF (%)	21.7	18.4 - 25.0	21.8	18.5 - 25.1	21.1	17.9 - 24.3		

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^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.