



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

Expiration Date: 2012-01-30		Quality Control Data Due Date #1: 19-Dec-11			Quality Control Data Due Date #2: 30-Jan-12				
Lot Number:		13140801		13140802		13140803			
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)	2.23	2.14 - 2.32	4.32	4.19 - 4.45	5.20	5.04 - 5.36		
	HGB (g/dL)	5.7	5.5 - 5.9	12.4	12.0 - 12.8	16.4	15.9 - 16.9		
	HCT (%)	17.1	16.2 - 18.0	36.0	34.4 - 37.6	46.7	44.6 - 48.8		
	MCV (fL)	76.8	70.0 - 83.9	83.4	77.3 - 89.8	89.8	83.3 - 96.8		
	MCH (pg)	25.6	23.6 - 27.7	28.7	27.0 - 30.5	31.6	29.7 - 33.5		
	MCHC (g/dL)	33.3	30.5 - 36.5	34.5	32.0 - 37.1	35.2	32.6 - 37.9		
	PLT (10 ⁹ /L)	54	32 - 76	212	189 - 235	514	468 - 560		
	RDW-SD (fL)	43.3	39.0 - 47.6	44.1	39.7 - 48.5	44.4	40.0 - 48.8		
	RDW-CV (%)	15.3	13.8 - 16.8	14.5	13.1 - 16.0	13.7	12.3 - 15.1		
	MPV (fL)	8.7	8.0 - 9.4	9.2	8.6 - 9.8	9.4	8.8 - 10.0		
	WBC (10 ⁹ /L)	3.03	2.73 - 3.33	7.17	6.74 - 7.60	16.76	15.75 - 17.77		
	NEUT%	45.4	36.3 - 54.5	48.1	40.9 - 55.3	52.2	44.4 - 60.0		
	LYMPH%	34.0	20.4 - 47.6	30.0	24.0 - 36.0	25.6	20.5 - 30.7		
	MONO%	10.8	2.2 - 19.4	11.6	7.0 - 16.2	10.8	7.6 - 14.0		
	EO%	9.8	6.9 - 12.7	10.3	7.2 - 13.4	11.4	8.6 - 14.3		
	BASO%	65.4	45.8 - 85.0	70.2	49.1 - 91.3	73.7	55.3 - 92.1		
	NEUT# (10 ⁹ /L)	1.38	1.10 - 1.66	3.45	2.93 - 3.97	8.76	7.45 - 10.07		
	LYMPH# (10 ⁹ /L)	1.03	0.62 - 1.44	2.15	1.72 - 2.58	4.30	3.44 - 5.16		
	MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.83	0.33 - 1.33	1.81	1.09 - 2.53		
	EO# (10 ⁹ /L)	0.30	0.21 - 0.39	0.74	0.52 - 0.96	1.91	1.43 - 2.39		
	BASO# (10 ⁹ /L)	1.98	1.39 - 2.57	5.03	3.52 - 6.54	12.37	9.28 - 15.46		
	NRBC# (10 ⁹ /L)	3.02	2.72 - 3.32	7.08	6.66 - 7.50	17.90	16.83 - 18.97		
	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	222	189 - 255	537	456 - 618		
	RET# (10 ¹² /L)	0.1296	0.0907 - 0.1685	0.1065	0.0746 - 0.1385	0.0581	0.0407 - 0.0755		
	RET%	5.82	4.07 - 7.57	2.47	1.73 - 3.21	1.12	0.78 - 1.46		
	IRF (%)	34.2	14.2 - 54.2	31.4	11.4 - 51.4	25.1	5.1 - 45.1		
	^a IG #	0.33	0.30 - 0.36	0.81	0.61 - 1.01	2.06	1.44 - 2.68		
^a IG %	10.73	7.51 - 13.95	11.35	8.51 - 14.19	12.29	7.37 - 17.21			
^b HPC #	0.016	0.014 - 0.018	0.039	0.035 - 0.043	0.103	0.093 - 0.113			
^c RET-HE (pg)	23.8	16.7 - 30.9	24.6	18.5 - 30.8	25.6	15.4 - 35.8			
^d IPF (%)	21.5	18.3 - 24.7	21.1	17.9 - 24.3	21.3	18.1 - 24.5			

^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: 2012-01-30		Quality Control Data Due Date #1: 19-Dec-11			Quality Control Data Due Date #2: 30-Jan-12		
Lot Number:		13140801		13140802		13140803	
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)	2.23	2.10 - 2.36	4.32	4.10 - 4.54	5.20	4.94 - 5.46
	HGB (g/dL)	5.7	5.4 - 6.0	12.4	11.8 - 13.0	16.4	15.6 - 17.2
	HCT (%)	17.1	15.9 - 18.3	36.0	33.8 - 38.2	46.7	43.9 - 49.5
	MCV (fL)	76.8	67.3 - 87.3	83.4	74.6 - 93.0	89.8	80.4 - 100.2
	MCH (pg)	25.6	22.7 - 28.8	28.7	26.0 - 31.7	31.6	28.5 - 34.9
	MCHC (g/dL)	33.3	29.3 - 38.0	34.5	30.9 - 38.5	35.2	31.5 - 39.2
	PLT (10 ⁹ /L)	53	27 - 80	204	173 - 234	478	406 - 550
	RDW-SD (fL)	43.3	39.0 - 47.6	44.1	39.7 - 48.5	44.4	40.0 - 48.8
	RDW-CV (%)	15.3	13.8 - 16.8	14.5	13.1 - 16.0	13.7	12.3 - 15.1
	MPV (fL)	8.7	8.0 - 9.4	9.2	8.6 - 9.8	9.4	8.8 - 10.0
	WBC (10 ⁹ /L)	2.94	2.50 - 3.38	6.81	6.20 - 7.42	16.42	15.11 - 17.73
	NEUT%	44.9	35.9 - 53.9	48.4	41.1 - 55.7	51.5	43.8 - 59.2
	LYMPH%	34.0	20.4 - 47.6	29.7	23.8 - 35.6	26.2	21.0 - 31.4
	MONO%	11.2	2.2 - 20.2	11.5	6.9 - 16.1	10.7	7.5 - 13.9
	EO%	9.9	6.9 - 12.9	10.4	7.3 - 13.5	11.6	8.7 - 14.5
	BASO%	66.0	46.2 - 85.8	68.7	48.1 - 89.3	72.4	54.3 - 90.5
	NEUT# (10 ⁹ /L)	1.32	1.06 - 1.58	3.30	2.81 - 3.80	8.45	7.18 - 9.72
	LYMPH# (10 ⁹ /L)	1.00	0.60 - 1.40	2.02	1.62 - 2.42	4.30	3.44 - 5.16
	MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.78	0.31 - 1.25	1.76	1.06 - 2.46
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.71	0.50 - 0.92	1.91	1.43 - 2.39
	BASO# (10 ⁹ /L)	1.94	1.36 - 2.52	4.68	3.28 - 6.08	11.88	8.91 - 14.85
	NRBC# (10 ⁹ /L)	2.99	2.69 - 3.29	6.94	6.52 - 7.35	17.72	16.66 - 18.78
	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	218	185 - 250	526	447 - 605
	RET# (10 ¹² /L)	0.1296	0.0907 - 0.1685	0.1065	0.0746 - 0.1385	0.0581	0.0407 - 0.0755
	RET%	5.82	4.07 - 7.57	2.47	1.73 - 3.21	1.12	0.78 - 1.46
	IRF (%)	34.2	14.2 - 54.2	31.4	11.4 - 51.4	25.1	5.1 - 45.1
	^a IG #	0.33	0.30 - 0.36	0.81	0.61 - 1.01	2.06	1.44 - 2.68
^a IG %	10.73	7.51 - 13.95	11.35	8.51 - 14.19	12.29	7.37 - 17.21	
^b HPC #	0.016	0.014 - 0.018	0.039	0.035 - 0.043	0.103	0.093 - 0.113	
^c RET-HE (pg)	23.8	16.7 - 30.9	24.6	18.5 - 30.8	25.6	15.4 - 35.8	
^d IPF (%)	21.5	18.3 - 24.7	21.1	17.9 - 24.3	21.3	18.1 - 24.5	

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