



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

Expiration Date: 2012-03-26		Quality Control Data Due Date #1: 13-Feb-12			Quality Control Data Due Date #2: 26-Mar-12		
Lot Number:		20040801		20040802		20040803	
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	4.27	4.14 - 4.40	5.22	5.06 - 5.38
	HGB (g/dL)	5.8	5.6 - 6.0	12.2	11.8 - 12.6	16.2	15.7 - 16.7
	HCT (%)	17.6	16.7 - 18.5	35.8	34.2 - 37.4	46.0	43.9 - 48.1
	MCV (fL)	78.5	71.8 - 85.9	83.8	77.7 - 90.3	88.2	81.7 - 94.9
	MCH (pg)	25.8	23.9 - 28.1	28.6	26.9 - 30.3	31.0	29.2 - 33.0
	MCHC (g/dL)	32.9	30.1 - 36.1	34.2	31.6 - 36.8	35.2	32.7 - 38.0
	PLT (10 ⁹ /L)	54	32 - 76	218	194 - 242	516	470 - 562
	RDW-SD (fL)	44.9	40.4 - 49.4	44.7	40.2 - 49.2	43.2	38.9 - 47.5
	RDW-CV (%)	15.6	14.0 - 17.2	14.6	13.1 - 16.1	13.5	12.2 - 14.9
	MPV (fL)	9.1	8.4 - 9.8	9.4	8.8 - 10.0	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	3.13	2.82 - 3.44	7.10	6.67 - 7.53	16.57	15.58 - 17.56
	NEUT%	44.9	35.9 - 53.9	47.9	40.7 - 55.1	53.1	45.1 - 61.1
	LYMPH%	34.1	20.5 - 47.7	31.1	24.9 - 37.3	23.8	19.0 - 28.6
	MONO%	11.0	2.2 - 19.8	10.7	6.4 - 15.0	11.3	7.9 - 14.7
	EO%	10.0	7.0 - 13.0	10.3	7.2 - 13.4	11.8	8.9 - 14.8
	BASO%	65.3	45.7 - 84.9	68.9	48.2 - 89.6	76.2	57.2 - 95.3
	NEUT# (10 ⁹ /L)	1.41	1.13 - 1.69	3.41	2.90 - 3.92	8.80	7.48 - 10.12
	LYMPH# (10 ⁹ /L)	1.07	0.64 - 1.50	2.21	1.77 - 2.65	3.94	3.15 - 4.73
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.76	0.30 - 1.22	1.87	1.12 - 2.62
	EO# (10 ⁹ /L)	0.31	0.22 - 0.40	0.73	0.51 - 0.95	1.96	1.47 - 2.45
	BASO# (10 ⁹ /L)	2.05	1.44 - 2.67	4.89	3.42 - 6.36	12.62	9.47 - 15.78
	NRBC# (10 ⁹ /L)	3.08	2.77 - 3.39	7.06	6.64 - 7.48	17.64	16.58 - 18.70
	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)	64	35 - 93	223	190 - 256	507	431 - 583
	RET# (10 ¹² /L)	0.1255	0.0879 - 0.1632	0.1077	0.0754 - 0.1400	0.0560	0.0392 - 0.0728
RET%	5.60	3.92 - 7.28	2.52	1.76 - 3.28	1.07	0.75 - 1.39	
IRF (%)	33.0	13.0 - 53.0	30.4	10.4 - 50.4	25.1	5.1 - 45.1	
^a IG #	0.33	0.30 - 0.36	0.80	0.60 - 1.00	2.07	1.45 - 2.69	
^a IG %	10.50	7.35 - 13.65	11.24	8.43 - 14.05	12.47	7.48 - 17.46	
^b HPC #	0.016	0.014 - 0.018	0.040	0.036 - 0.044	0.104	0.094 - 0.114	
^c RET-HE (pg)	24.6	17.2 - 32.0	25.2	18.9 - 31.5	26.1	15.7 - 36.5	
^d IPF (%)	21.8	18.5 - 25.1	22.9	19.5 - 26.3	21.4	18.2 - 24.6	

^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: 2012-03-26		Quality Control Data Due Date #1: 13-Feb-12			Quality Control Data Due Date #2: 26-Mar-12		
Lot Number:		20040801		20040802		20040803	
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)	2.24	2.11 - 2.37	4.27	4.06 - 4.48	5.22	4.96 - 5.48
	HGB (g/dL)	5.8	5.5 - 6.1	12.2	11.6 - 12.8	16.2	15.4 - 17.0
	HCT (%)	17.6	16.4 - 18.8	35.8	33.7 - 37.9	46.0	43.2 - 48.8
	MCV (fL)	78.5	68.9 - 89.4	83.8	75.1 - 93.5	88.2	78.9 - 98.3
	MCH (pg)	25.8	23.0 - 29.2	28.6	25.9 - 31.6	31.0	28.1 - 34.3
	MCHC (g/dL)	32.9	29.0 - 37.6	34.2	30.5 - 38.1	35.2	31.6 - 39.3
	PLT (10 ⁹ /L)	53	26 - 79	209	178 - 241	480	408 - 552
	RDW-SD (fL)	44.9	40.4 - 49.4	44.7	40.2 - 49.2	43.2	38.9 - 47.5
	RDW-CV (%)	15.6	14.0 - 17.2	14.6	13.1 - 16.1	13.5	12.2 - 14.9
	MPV (fL)	9.1	8.4 - 9.8	9.4	8.8 - 10.0	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	3.04	2.58 - 3.49	6.67	6.07 - 7.27	16.24	14.94 - 17.54
	NEUT%	44.6	35.7 - 53.5	47.7	40.5 - 54.8	52.5	44.6 - 60.4
	LYMPH%	34.2	20.5 - 47.9	31.1	24.9 - 37.4	24.3	19.4 - 29.1
	MONO%	11.5	2.3 - 20.8	10.7	6.4 - 15.0	11.2	7.8 - 14.5
	EO%	9.7	6.8 - 12.6	10.5	7.4 - 13.7	12.1	9.1 - 15.1
	BASO%	66.2	46.3 - 86.0	68.1	47.7 - 88.6	74.6	56.0 - 93.3
	NEUT# (10 ⁹ /L)	1.35	1.08 - 1.62	3.18	2.70 - 3.66	8.52	7.25 - 9.80
	LYMPH# (10 ⁹ /L)	1.04	0.62 - 1.45	2.08	1.66 - 2.49	3.94	3.15 - 4.73
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.71	0.29 - 1.14	1.81	1.09 - 2.54
	EO# (10 ⁹ /L)	0.29	0.21 - 0.38	0.70	0.49 - 0.91	1.96	1.47 - 2.45
	BASO# (10 ⁹ /L)	2.01	1.41 - 2.61	4.55	3.18 - 5.91	12.12	9.09 - 15.14
	NRBC# (10 ⁹ /L)	3.05	2.74 - 3.35	6.92	6.50 - 7.33	17.46	16.42 - 18.51
	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)	61	30 - 91	219	186 - 251	497	422 - 571
	RET# (10 ¹² /L)	0.1255	0.0879 - 0.1632	0.1077	0.0754 - 0.1400	0.0560	0.0392 - 0.0728
	RET%	5.60	3.92 - 7.28	2.52	1.76 - 3.28	1.07	0.75 - 1.39
	IRF (%)	33.0	13.0 - 53.0	30.4	10.4 - 50.4	25.1	5.1 - 45.1
	^a IG #	0.33	0.30 - 0.36	0.80	0.60 - 1.00	2.07	1.45 - 2.69
^a IG %	10.50	7.35 - 13.65	11.24	8.43 - 14.05	12.47	7.48 - 17.46	
^b HPC #	0.016	0.014 - 0.018	0.040	0.036 - 0.044	0.104	0.094 - 0.114	
^c RET-HE (pg)	24.6	17.2 - 32.0	25.2	18.9 - 31.5	26.1	15.7 - 36.5	
^d IPF (%)	21.8	18.5 - 25.1	22.9	19.5 - 26.3	21.4	18.2 - 24.6	

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