



**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:		12560801		12560802		12560803			
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)	2.33	2.24 - 2.42	4.28	4.15 - 4.41	5.13	4.98 - 5.28		
	HGB (g/dL)	5.8	5.6 - 6.0	12.3	11.9 - 12.7	16.0	15.5 - 16.5		
	HCT (%)	17.6	16.7 - 18.5	35.9	34.3 - 37.5	45.4	43.4 - 47.4		
	MCV (fL)	75.5	69.0 - 82.6	83.8	77.8 - 90.4	88.5	82.1 - 95.3		
	MCH (pg)	24.9	23.0 - 27.0	28.8	27.1 - 30.5	31.1	29.4 - 33.1		
	MCHC (g/dL)	33.0	30.1 - 36.1	34.4	31.8 - 37.0	35.2	32.7 - 38.0		
	PLT (10 ⁹ /L)	53	32 - 74	218	194 - 242	502	457 - 547		
	RDW-SD (fL)	46.5	41.9 - 51.2	43.6	39.2 - 48.0	43.8	39.4 - 48.2		
	RDW-CV (%)	16.8	15.1 - 18.5	14.3	12.9 - 15.7	13.6	12.2 - 15.0		
	MPV (fL)	9.3	8.6 - 10.0	9.6	9.0 - 10.2	9.8	9.2 - 10.4		
	WBC (10 ⁹ /L)	3.09	2.78 - 3.40	7.17	6.74 - 7.60	16.87	15.86 - 17.88		
	NEUT%	44.4	35.5 - 53.3	49.5	42.1 - 56.9	51.7	43.9 - 59.5		
	LYMPH%	36.4	21.8 - 51.0	30.2	24.2 - 36.2	25.2	20.2 - 30.2		
	MONO%	9.8	2.0 - 17.6	10.2	6.1 - 14.3	11.8	8.3 - 15.3		
	EO%	9.4	6.6 - 12.2	10.1	7.1 - 13.1	11.4	8.6 - 14.3		
	BASO%	63.5	44.5 - 82.6	69.0	48.3 - 89.7	74.5	55.9 - 93.1		
	NEUT# (10 ⁹ /L)	1.37	1.10 - 1.64	3.55	3.02 - 4.08	8.72	7.41 - 10.03		
	LYMPH# (10 ⁹ /L)	1.12	0.67 - 1.57	2.16	1.73 - 2.59	4.25	3.40 - 5.10		
	MONO# (10 ⁹ /L)	0.30	0.06 - 0.54	0.73	0.29 - 1.17	1.99	1.19 - 2.79		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.73	0.51 - 0.95	1.91	1.43 - 2.39		
	BASO# (10 ⁹ /L)	1.96	1.37 - 2.55	4.94	3.46 - 6.42	12.56	9.42 - 15.70		
	NRBC# (10 ⁹ /L)	3.01	2.71 - 3.31	7.10	6.67 - 7.53	17.66	16.60 - 18.72		
	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	34 - 88	222	189 - 255	509	433 - 585		
	RET# (10 ¹² /L)	0.1190	0.0833 - 0.1547	0.0995	0.0697 - 0.1294	0.0545	0.0382 - 0.0709		
	RET%	5.11	3.58 - 6.64	2.32	1.62 - 3.02	1.06	0.74 - 1.38		
	IRF (%)	34.4	14.4 - 54.4	31.8	11.8 - 51.8	25.3	5.3 - 45.3		
	^a IG #	0.33	0.30 - 0.36	0.84	0.63 - 1.05	2.01	1.41 - 2.61		
	^a IG %	10.58	7.41 - 13.75	11.78	8.84 - 14.73	11.91	7.15 - 16.67		
	^b HPC #	0.015	0.013 - 0.017	0.037	0.033 - 0.041	0.102	0.092 - 0.112		
^c RET-HE (pg)	23.9	16.7 - 31.1	24.8	18.6 - 31.0	25.4	15.2 - 35.6			
^d IPF (%)	21.8	18.5 - 25.1	21.8	18.5 - 25.1	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**

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:		12560801		12560802		12560803				
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)	2.33	2.19	- 2.47	4.28	4.07	- 4.49	5.13	4.87	- 5.39
	HGB (g/dL)	5.8	5.5	- 6.1	12.3	11.7	- 12.9	16.0	15.2	- 16.8
	HCT (%)	17.6	16.4	- 18.8	35.9	33.7	- 38.1	45.4	42.7	- 48.1
	MCV (fL)	75.5	66.3	- 86.0	83.8	75.1	- 93.6	88.5	79.2	- 98.7
	MCH (pg)	24.9	22.1	- 28.1	28.8	26.0	- 31.8	31.1	28.2	- 34.5
	MCHC (g/dL)	33.0	29.0	- 37.6	34.4	30.7	- 38.3	35.2	31.6	- 39.4
	PLT (10 ⁹ /L)	52	26	- 78	209	178	- 241	467	397	- 537
	RDW-SD (fL)	46.5	41.9	- 51.2	43.6	39.2	- 48.0	43.8	39.4	- 48.2
	RDW-CV (%)	16.8	15.1	- 18.5	14.3	12.9	- 15.7	13.6	12.2	- 15.0
	MPV (fL)	9.3	8.6	- 10.0	9.6	9.0	- 10.2	9.8	9.2	- 10.4
	WBC (10 ⁹ /L)	3.00	2.55	- 3.45	6.81	6.20	- 7.42	16.53	15.21	- 17.86
	NEUT%	44.6	35.6	- 53.5	49.8	42.4	- 57.3	51.1	43.4	- 58.7
	LYMPH%	36.2	21.7	- 50.7	29.8	23.8	- 35.8	25.7	20.6	- 30.8
	MONO%	10.0	2.0	- 18.0	10.1	6.0	- 14.1	11.7	8.2	- 15.2
	EO%	9.2	6.4	- 11.9	10.3	7.2	- 13.4	11.6	8.7	- 14.4
	BASO%	64.1	44.9	- 83.3	67.4	47.2	- 87.7	72.9	54.7	- 91.2
	NEUT# (10 ⁹ /L)	1.34	1.07	- 1.60	3.39	2.88	- 3.90	8.44	7.18	- 9.71
	LYMPH# (10 ⁹ /L)	1.09	0.65	- 1.52	2.03	1.62	- 2.44	4.25	3.40	- 5.10
	MONO# (10 ⁹ /L)	0.30	0.06	- 0.54	0.69	0.27	- 1.10	1.93	1.16	- 2.70
	EO# (10 ⁹ /L)	0.28	0.19	- 0.36	0.70	0.49	- 0.91	1.91	1.43	- 2.39
	BASO# (10 ⁹ /L)	1.92	1.34	- 2.50	4.59	3.22	- 5.97	12.06	9.04	- 15.07
	NRBC# (10 ⁹ /L)	2.98	2.68	- 3.28	6.96	6.54	- 7.38	17.48	16.43	- 18.53
	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)	58	29	- 87	218	185	- 250	499	424	- 574
	RET# (10 ¹² /L)	0.1190	0.0833	- 0.1547	0.0995	0.0697	- 0.1294	0.0545	0.0382	- 0.0709
	RET%	5.11	3.58	- 6.64	2.32	1.62	- 3.02	1.06	0.74	- 1.38
	IRF (%)	34.4	14.4	- 54.4	31.8	11.8	- 51.8	25.3	5.3	- 45.3
	^a IG #	0.33	0.30	- 0.36	0.84	0.63	- 1.05	2.01	1.41	- 2.61
	^a IG %	10.58	7.41	- 13.75	11.78	8.84	- 14.73	11.91	7.15	- 16.67
	^b HPC #	0.015	0.013	- 0.017	0.037	0.033	- 0.041	0.102	0.092	- 0.112
	^c RET-HE (pg)	23.9	16.7	- 31.1	24.8	18.6	- 31.0	25.4	15.2	- 35.6
	^d IPF (%)	21.8	18.5	- 25.1	21.8	18.5	- 25.1	22.1	18.8	- 25.4

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^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.