



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

Expiration Date: 2010-09-13		Quality Control Data Due Date #1: 2-Aug-10			Quality Control Data Due Date #2: 13-Sep-10		
Lot Number:		01740801		01740802		01740803	
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	4.35	4.22 - 4.48	5.26	5.10 - 5.42
	HGB (g/dL)	5.8	5.6 - 6.0	12.0	11.6 - 12.4	15.9	15.4 - 16.4
	HCT (%)	17.4	16.5 - 18.3	34.8	33.2 - 36.4	45.1	43.1 - 47.1
	MCV (fL)	74.9	68.2 - 81.7	80.0	74.2 - 86.2	85.8	79.5 - 92.4
	MCH (pg)	24.7	23.0 - 27.0	27.5	26.0 - 29.3	30.2	28.5 - 32.1
	MCHC (g/dL)	33.0	30.5 - 36.5	34.4	32.0 - 37.2	35.2	32.7 - 38.0
	PLT (10 ⁹ /L)	57	34 - 80	215	191 - 239	507	461 - 553
	RDW-SD (fL)	45.6	41.0 - 50.2	43.7	39.3 - 48.1	44.1	39.7 - 48.5
	RDW-CV (%)	16.6	14.9 - 18.3	15.0	13.5 - 16.5	14.4	13.0 - 15.8
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	3.03	2.73 - 3.33	6.98	6.56 - 7.40	17.11	16.08 - 18.14
	NEUT%	44.4	35.5 - 53.3	48.8	41.5 - 56.1	53.3	45.3 - 61.3
	LYMPH%	35.4	21.2 - 49.6	29.7	23.8 - 35.6	24.4	19.5 - 29.3
	MONO%	10.8	2.2 - 19.4	11.0	6.6 - 15.4	11.1	7.8 - 14.4
	EO%	9.4	6.6 - 12.2	10.5	7.4 - 13.7	11.2	8.4 - 14.0
	BASO%	63.9	44.7 - 83.1	70.4	49.3 - 91.5	76.0	57.0 - 95.0
	NEUT# (10 ⁹ /L)	1.35	1.08 - 1.62	3.41	2.90 - 3.92	9.12	7.75 - 10.49
	LYMPH# (10 ⁹ /L)	1.07	0.64 - 1.50	2.07	1.66 - 2.48	4.17	3.34 - 5.00
	MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.77	0.31 - 1.23	1.91	1.15 - 2.67
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.73	0.51 - 0.95	1.91	1.43 - 2.39
	BASO# (10 ⁹ /L)	1.94	1.36 - 2.52	4.91	3.44 - 6.38	13.00	9.75 - 16.25
	NRBC# (10 ⁹ /L)	2.92	2.63 - 3.21	6.81	6.40 - 7.22	17.51	16.46 - 18.56
	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	33 - 87	210	179 - 242	504	428 - 580
	RET# (10 ¹² /L)	0.1692	0.1184 - 0.2200	0.1203	0.0842 - 0.1564	0.0640	0.0448 - 0.0832
	RET%	7.27	5.09 - 9.45	2.77	1.94 - 3.60	1.22	0.85 - 1.59
	IRF (%)	22.1	2.1 - 42.1	18.8	0.0 - 38.8	16.1	0.0 - 36.1
	^a IG #	0.32	0.29 - 0.35	0.79	0.59 - 0.99	2.14	1.50 - 2.78
	^a IG %	10.50	7.35 - 13.65	11.32	8.49 - 14.15	12.50	7.50 - 17.50
	^b HPC #	0.012	0.010 - 0.014	0.034	0.031 - 0.037	0.096	0.086 - 0.106
^c RET-HE (pg)	23.9	16.7 - 31.1	24.4	18.3 - 30.5	25.1	15.1 - 35.1	
^d IPF (%)	22.2	18.9 - 25.5	22.3	19.0 - 25.6	21.7	18.4 - 25.0	

^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		2010-09-13		Quality Control Data Due Date #1:		2-Aug-10		Quality Control Data Due Date #2:		13-Sep-10	
Lot Number:		01740801			01740802			01740803			
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	4.35	4.13	- 4.57	5.26	5.00	- 5.52	
	HGB (g/dL)	5.8	5.5	- 6.1	12.0	11.4	- 12.6	15.9	15.1	- 16.7	
	HCT (%)	17.4	16.2	- 18.6	34.8	32.7	- 36.9	45.1	42.4	- 47.8	
	MCV (fL)	74.9	65.5	- 85.0	80.0	71.6	- 89.3	85.8	76.8	- 95.7	
	MCH (pg)	24.7	22.1	- 28.1	27.5	25.0	- 30.5	30.2	27.3	- 33.4	
	MCHC (g/dL)	33.0	29.3	- 38.0	34.4	30.9	- 38.5	35.2	31.6	- 39.4	
	PLT (10 ⁹ /L)	56	28	- 84	206	175	- 237	472	401	- 542	
	RDW-SD (fL)	45.6	41.0	- 50.2	43.7	39.3	- 48.1	44.1	39.7	- 48.5	
	RDW-CV (%)	16.6	14.9	- 18.3	15.0	13.5	- 16.5	14.4	13.0	- 15.8	
	MPV (fL)	9.2	8.5	- 9.9	9.5	8.9	- 10.1	9.7	9.1	- 10.3	
	WBC (10 ⁹ /L)	2.94	2.50	- 3.38	6.63	6.03	- 7.23	16.77	15.43	- 18.11	
	NEUT%	44.4	35.5	- 53.3	49.2	41.8	- 56.5	52.7	44.8	- 60.6	
	LYMPH%	35.3	21.2	- 49.4	29.3	23.5	- 35.2	24.9	19.9	- 29.8	
	MONO%	11.2	2.2	- 20.2	10.9	6.5	- 15.3	11.0	7.7	- 14.4	
	EO%	9.1	6.3	- 11.8	10.6	7.4	- 13.7	11.4	8.5	- 14.2	
	BASO%	64.7	45.3	- 84.1	68.9	48.2	- 89.5	74.4	55.8	- 93.0	
	NEUT# (10 ⁹ /L)	1.31	1.04	- 1.57	3.26	2.77	- 3.75	8.84	7.51	- 10.16	
	LYMPH# (10 ⁹ /L)	1.04	0.62	- 1.45	1.95	1.56	- 2.33	4.17	3.34	- 5.00	
	MONO# (10 ⁹ /L)	0.33	0.07	- 0.59	0.72	0.29	- 1.16	1.85	1.11	- 2.59	
	EO# (10 ⁹ /L)	0.27	0.19	- 0.35	0.70	0.49	- 0.91	1.91	1.43	- 2.39	
	BASO# (10 ⁹ /L)	1.90	1.33	- 2.47	4.57	3.20	- 5.94	12.48	9.36	- 15.60	
	NRBC# (10 ⁹ /L)	2.89	2.60	- 3.18	6.67	6.27	- 7.07	17.33	16.29	- 18.37	
	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	29	- 86	206	175	- 237	494	420	- 568	
	RET# (10 ¹² /L)	0.1692	0.1184	- 0.2200	0.1203	0.0842	- 0.1564	0.0640	0.0448	- 0.0832	
	RET%	7.27	5.09	- 9.45	2.77	1.94	- 3.60	1.22	0.85	- 1.59	
	IRF (%)	22.1	2.1	- 42.1	18.8	0.0	- 38.8	16.1	0.0	- 36.1	
	^a IG #	0.32	0.29	- 0.35	0.79	0.59	- 0.99	2.14	1.50	- 2.78	
	^a IG %	10.50	7.35	- 13.65	11.32	8.49	- 14.15	12.50	7.50	- 17.50	
	^b HPC #	0.012	0.010	- 0.014	0.034	0.031	- 0.037	0.096	0.086	- 0.106	
^c RET-HE (pg)	23.9	16.7	- 31.1	24.4	18.3	- 30.5	25.1	15.1	- 35.1		
^d IPF (%)	22.2	18.9	- 25.5	22.3	19.0	- 25.6	21.7	18.4	- 25.0		

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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.