



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

Expiration Date: 2010-07-19		Quality Control Data Due Date #1: 7-Jun-10			Quality Control Data Due Date #2: 19-Jul-10		
Lot Number:		01170801		01170802		01170803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
OPEN	RBC (10 ¹² /L)	2.24	2.15 - 2.33	4.34	4.21 - 4.47	5.20	5.04 - 5.36
	HGB (g/dL)	5.5	5.3 - 5.7	12.0	11.6 - 12.4	15.4	14.9 - 15.9
	HCT (%)	16.8	16.0 - 17.6	35.5	33.9 - 37.1	44.6	42.6 - 46.6
	MCV (fL)	74.8	68.5 - 82.0	81.8	75.8 - 88.1	85.6	79.5 - 92.4
	MCH (pg)	24.5	22.7 - 26.6	27.6	26.0 - 29.4	29.6	27.9 - 31.4
	MCHC (g/dL)	32.7	29.9 - 35.8	33.8	31.4 - 36.5	34.6	32.1 - 37.2
	PLT (10 ⁹ /L)	55	33 - 77	212	189 - 235	513	467 - 559
	RDW-SD (fL)	44.1	39.7 - 48.5	44.2	39.8 - 48.6	45.0	40.5 - 49.5
	RDW-CV (%)	16.2	14.6 - 17.8	15.0	13.5 - 16.5	14.7	13.2 - 16.2
	MPV (fL)	8.8	8.1 - 9.5	9.2	8.6 - 9.8	9.4	8.8 - 10.0
	WBC (10 ⁹ /L)	2.98	2.68 - 3.28	6.74	6.34 - 7.14	17.02	16.00 - 18.04
	NEUT%	43.7	35.0 - 52.4	49.7	42.2 - 57.2	53.8	45.7 - 61.9
	LYMPH%	35.1	21.1 - 49.1	28.0	22.4 - 33.6	23.4	18.7 - 28.1
	MONO%	11.7	2.3 - 21.1	11.6	7.0 - 16.2	11.4	8.0 - 14.8
	EO%	9.6	6.7 - 12.5	10.7	7.5 - 13.9	11.4	8.6 - 14.3
	BASO%	63.3	44.3 - 82.3	71.0	49.7 - 92.3	76.0	57.0 - 95.0
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.56	3.35	2.85 - 3.85	9.16	7.79 - 10.53
	LYMPH# (10 ⁹ /L)	1.05	0.63 - 1.47	1.89	1.51 - 2.27	3.99	3.19 - 4.79
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.78	0.31 - 1.25	1.95	1.17 - 2.73
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.72	0.50 - 0.94	1.93	1.45 - 2.41
	BASO# (10 ⁹ /L)	1.89	1.32 - 2.46	4.78	3.35 - 6.21	12.93	9.70 - 16.16
	NRBC# (10 ⁹ /L)	2.91	2.62 - 3.20	6.55	6.16 - 6.94	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)	59	32 - 86	211	179 - 243	513	436 - 590
	RET# (10 ¹² /L)	0.1304	0.0913 - 0.1695	0.1231	0.0862 - 0.1600	0.0631	0.0442 - 0.0820
	RET%	5.81	4.07 - 7.55	2.83	1.98 - 3.68	1.21	0.85 - 1.57
	IRF (%)	26.6	6.6 - 46.6	23.5	3.5 - 43.5	19.3	0.0 - 39.3
	^a IG #	0.30	0.27 - 0.33	0.78	0.59 - 0.98	2.18	1.53 - 2.83
	^a IG %	10.15	7.11 - 13.20	11.61	8.71 - 14.51	12.77	7.66 - 17.88
	^b HPC #	0.014	0.012 - 0.016	0.033	0.030 - 0.036	0.096	0.086 - 0.106
^c RET-HE (pg)	24.5	17.2 - 31.9	25.1	18.8 - 31.4	25.6	15.4 - 35.8	
^d IPF (%)	21.6	18.4 - 24.8	22.0	18.7 - 25.3	22.3	19.0 - 25.6	

^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		2010-07-19		Quality Control Data Due Date #1:		7-Jun-10		Quality Control Data Due Date #2:		19-Jul-10	
Lot Number:		01170801			01170802			01170803			
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	4.34	4.12	- 4.56	5.20	4.94	- 5.46	
	HGB (g/dL)	5.5	5.2	- 5.8	12.0	11.4	- 12.6	15.4	14.6	- 16.2	
	HCT (%)	16.8	15.6	- 18.0	35.5	33.4	- 37.6	44.6	41.9	- 47.3	
	MCV (fL)	74.8	65.8	- 85.4	81.8	73.2	- 91.3	85.6	76.8	- 95.7	
	MCH (pg)	24.5	21.8	- 27.7	27.6	25.0	- 30.6	29.6	26.8	- 32.7	
	MCHC (g/dL)	32.7	28.8	- 37.3	33.8	30.3	- 37.8	34.6	30.9	- 38.6	
	PLT (10 ⁹ /L)	54	27	- 81	204	173	- 234	477	406	- 549	
	RDW-SD (fL)	44.1	39.7	- 48.5	44.2	39.8	- 48.6	45.0	40.5	- 49.5	
	RDW-CV (%)	16.2	14.6	- 17.8	15.0	13.5	- 16.5	14.7	13.2	- 16.2	
	MPV (fL)	8.8	8.1	- 9.5	9.2	8.6	- 9.8	9.4	8.8	- 10.0	
	WBC (10 ⁹ /L)	2.89	2.46	- 3.32	6.40	5.83	- 6.98	16.68	15.35	- 18.01	
	NEUT%	43.1	34.5	- 51.8	50.0	42.5	- 57.5	53.2	45.2	- 61.1	
	LYMPH%	35.2	21.1	- 49.3	27.7	22.2	- 33.3	23.9	19.1	- 28.7	
	MONO%	12.1	2.4	- 21.8	11.5	6.9	- 16.0	11.3	7.9	- 14.7	
	EO%	9.5	6.7	- 12.4	10.8	7.6	- 14.0	11.6	8.7	- 14.5	
	BASO%	64.1	44.9	- 83.3	69.4	48.6	- 90.3	74.4	55.8	- 93.0	
	NEUT# (10 ⁹ /L)	1.25	1.00	- 1.50	3.20	2.72	- 3.68	8.87	7.54	- 10.20	
	LYMPH# (10 ⁹ /L)	1.02	0.61	- 1.43	1.78	1.42	- 2.13	3.99	3.19	- 4.79	
	MONO# (10 ⁹ /L)	0.35	0.07	- 0.63	0.73	0.29	- 1.17	1.89	1.13	- 2.65	
	EO# (10 ⁹ /L)	0.28	0.19	- 0.36	0.69	0.48	- 0.90	1.93	1.45	- 2.41	
	BASO# (10 ⁹ /L)	1.85	1.30	- 2.41	4.45	3.11	- 5.78	12.41	9.31	- 15.52	
	NRBC# (10 ⁹ /L)	2.88	2.59	- 3.17	6.42	6.03	- 6.80	17.16	16.13	- 18.19	
	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)	56	28	- 84	207	176	- 238	503	427	- 578	
	RET# (10 ¹² /L)	0.1304	0.0913	- 0.1695	0.1231	0.0862	- 0.1600	0.0631	0.0442	- 0.0820	
	RET%	5.81	4.07	- 7.55	2.83	1.98	- 3.68	1.21	0.85	- 1.57	
	IRF (%)	26.6	6.6	- 46.6	23.5	3.5	- 43.5	19.3	0.0	- 39.3	
	^a IG #	0.30	0.27	- 0.33	0.78	0.59	- 0.98	2.18	1.53	- 2.83	
^a IG %	10.15	7.11	- 13.20	11.61	8.71	- 14.51	12.77	7.66	- 17.88		
^b HPC #	0.014	0.012	- 0.016	0.033	0.030	- 0.036	0.096	0.086	- 0.106		
^c RET-HE (pg)	24.5	17.2	- 31.9	25.1	18.8	- 31.4	25.6	15.4	- 35.8		
^d IPF (%)	21.6	18.4	- 24.8	22.0	18.7	- 25.3	22.3	19.0	- 25.6		

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